

Syllabus

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



MASTER OF SCIENCE IN NURSING

Medical Surgical Nursing

Course Code 271

(2016-17 admission onwards)

2016

2. COURSE CONTENT

2.1 Title of course:

MASTER OF SCIENCE IN NURSING – MSc Medical Surgical Nursing

Sub specialties :-

- a. *Cardio Vascular & Thoracic Nursing*
- b. *Critical care Nursing, Oncology Nursing*
- c. *Neurosciences Nursing*
- d. *Nephro-Urology Nursing*
- e. *Orthopedic Nursing*
- f. *GastroEnterology Nursing.*

2.2 AIM & OBJECTIVES OF THE COURSE

AIM

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

OBJECTIVES

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.

9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth.
11. Demonstrate advanced skills and competence in the nursing management of patients with various medical and surgical conditions.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of medical and surgical nursing.
13. Describe recent advancements in the field of medical and surgical nursing.
14. Explain the legal and ethical issues in caring patients with various medical and surgical conditions.
15. Function as medical surgical nurse specialists and practitioners.

2.3 Medium of instruction:

Medium of instruction shall be in English

2.4 Course outline

1 year	Theory (hrs)	Practical (hrs)
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Medical Surgical Nursing-I	150	900
Total	600	1650
II Year	Theory (hrs)	Practical (hrs)
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
*Medical Surgical Nursing -II	150	1450
Total	300	1950
Grand Total	900	3600

*Sub Specialty:-

a. Cardio Vascular & Thoracic Nursing



- b. *Critical care Nursing*
- c. *Oncology Nursing*
- d. *Neurosciences Nursing*
- e. *Nephro-Urology Nursing*
- f. *Orthopedic Nursing*
- g. *Gastro Enterology Nursing*

2.5 Duration

Duration of the course is for 2 years.

Weeks/year	: 52 weeks
Leave	: 3 weeks (20 days)
Preparation and Exam	: 2 weeks
Total weeks available	: 47 weeks
Total hours/week	: 48 hours
48 hoursX47weeks	: 2256 hour/year

2.6 Syllabus

As given under "Content of each subject in each year"

The concept of Health Care Counselling shall be incorporated in all relevant areas

2.7 Total number of hours

As given under "Content of each subject in each year "

2.8 Branches if any with definition

Not Applicable

2.9 Teaching learning methods

As given under "Content of each subject in each year "

2.10 Content of each subject in each year

FIRST YEAR M.Sc NURSING

NURSING EDUCATION

Placement: 1st Year

Hours of Instruction

Theory 150 Hours
Nursing Faculty-115
External Faculty- 35
Practical 150 Hours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.

14. Explain the concept, principles, steps, tools and techniques of Evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> □ Education :Definition, aims, concepts, philosophies, Formulation of philosophy & their implications on education (Review) □ Impact of Social, economical, political & technological changes on education. □ Professional education □ Current trends and issues in education □ Educational reforms and National Educational Policy, various educational commissions-reports <p>Nursing education- Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.</p>
II	20	<p>Curriculum Development Definition, curriculum determinants, process and steps of curriculum development, Types and framework.</p> <ul style="list-style-type: none"> □ Educational Objectives - types, domains, levels, elements and writing of educational objectives, □ selection of learning experiences □ Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan. □ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. □ Evaluation of educational programs in nursing- course and program. □ Equivalency of courses : Transcript , credit system.

III	20 *EF 10	<p>Teaching – Learning Process</p> <ul style="list-style-type: none"> • Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning • Competency based education, outcome based education(OBE) Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching. <p style="padding-left: 40px;">Innovative Strategies</p> <p style="padding-left: 40px;">Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching</p> <ul style="list-style-type: none"> • Class room management and transactional analysis • Teacher - Roles & responsibilities, functions characteristics, • competencies, qualities. <p style="padding-left: 40px;">Preparation of professional teacher</p> <ul style="list-style-type: none"> • Organizing professional aspects of teacher preparation programs. • Critical analysis of various programs of teacher education in India

<p>IV</p>	<p>40</p> <p>EF20</p>	<p>Evaluation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity, reliability, usability <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation, <input type="checkbox"/> Evaluation strategies-meaning, characteristics. <input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks. <input type="checkbox"/> Item analysis <p>Non-standardized tests :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Essay, short answer questions and multiple choice questions, True & False, Completion. Tools of Evaluation-Rating scales, checklist, Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE), Viva Examination <input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal Record, Attitude scale, critical incident technique. <input type="checkbox"/> Question bank-preparation, validation, moderation by panel. <p>Standardized Tools</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities. <input type="checkbox"/> Teacher Evaluation-Strategies
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V	15	<p>Instructional Media & Methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key concepts in the selection and use of media in education <input type="checkbox"/> Developing learning resource material using different Media. <input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization. <input type="checkbox"/> Teacher’s role in procuring and managing <input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc
VI	10	<p>Continuing Education in Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of adult learning, assessments of learning needs, priorities, resources. <input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs. <input type="checkbox"/> Research in continuing education. <input type="checkbox"/> Distance education in nursing
VII	5 EF5	<p>Guidance and counseling</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review). <input type="checkbox"/> Trends and issues in Guidance and counseling. <input type="checkbox"/> Guidance and counseling services: diagnostic and remedial. <input type="checkbox"/> Coordination and organization of services. <input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of counselor, problems in counseling. <p>Professional preparation and training for counselling</p>

VIII	25	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel. <input type="checkbox"/> Role of curriculum coordinator – planning , implementation & Evaluation <input type="checkbox"/> Evaluation of educational programs in nursing- course & Program <input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together <input type="checkbox"/> Concept of faculty supervisor (dual) position. <input type="checkbox"/> Curriculum research in nursing. <p>Different models of collaboration between education and service</p>
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IX	5	<p>Quality in Nursing Education</p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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* External Faculty (EF)

Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
- Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits

- Workshop

Methods of evaluation

- Tests
 - Presentation
 - Project work

Assignments –Theory

Lesson plan-2, courseplan -1, unit plan 2, rotation plan-2(master plan, clinical rotation)

Evaluation tool-construction, administration and evaluation (Essay, objective type, rating scale, checklist)

Construction of an achievement test

Practical

Practice teaching using different strategies (lecture cum discussion-5, demonstration-2, seminar-1, clinical teaching -2, symposium/role play/panel discussion)

Internal Assessment (Theory)

	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	100%

Practical – Internal assessment

Preparation of Learning resource material & Construction of tests/rotation plan.	25%
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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- ② National and international journals in nursing education.

ADVANCED NURSING PRACTICE

Placement: 1st Year

Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advanced nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self-development and professional advancement

COURSE CONTENT

Unit	Hours	Content
I	8	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: History and development of nursing profession, Perspectives of Nursing Profession-National, global Code of ethics, code of professional conduct, autonomy and Legal considerations <input type="checkbox"/> Evidence Based Nursing Practice <input type="checkbox"/> Progressive Patient Care <input type="checkbox"/> Futuristic nursing. <input type="checkbox"/> Quality assurance in Nursing
II	5	<p>Health care delivery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health care environment, Health economics <input type="checkbox"/> Health care policy -National, State <input type="checkbox"/> Policy and politics in Nursing <input type="checkbox"/> Health care delivery system- national, state, district and local level. <input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc <input type="checkbox"/> Patterns of nursing care delivery in India. <input type="checkbox"/> Health care delivery concerns <input type="checkbox"/> National health and family welfare programs:(Review) <input type="checkbox"/> Information, education and communication (IEC). <input type="checkbox"/> Tele-medicine.
111	20	<p>Philosophy and Theories of Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Values, Conceptual models, approaches. <input type="checkbox"/> Nursing theories: Nightingale's, Hendersons's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications, health promotions and health belief models <p style="text-align: center;">Evidence based practice model.</p>
1V	12 *EF8	<p>Clinical Assessment-History taking and physical examination</p>

V	6	<p>Nursing process</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
V1	15 EF10	<p>Genetics</p> <ul style="list-style-type: none"> <input type="checkbox"/> Molecular basis of the gene and transmission of genetic information <input type="checkbox"/> Recombination, Mutation, Pedigree analysis <input type="checkbox"/> Mapping the Human genome – Genome project. Approaches to common genetic disorders-Monogenic and polygenic <input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, <input type="checkbox"/> Ethical, legal & psychosocial issues in genetic testing. <input type="checkbox"/> Genetic counseling. <input type="checkbox"/> Practical application of genetics in nursing.
V11	4 EF2	<p>Epidemiology</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review :Epidemiological approach and methods <input type="checkbox"/> Concepts of causation of diseases and their screening, <input type="checkbox"/> Application of epidemiology in health care delivery <input type="checkbox"/> Health surveillance and health informatics <input type="checkbox"/> Role of nurse
V111	30	<p>Bio-Psycho social pathology</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageingprocess,geriatric considerations in nursing, Psychosocial dynamics in causation of disease, life style disease Common problems and management: <input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency Haemodynamic monitoring Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS, Hemorrhage, shock,
Altered body temperature, Unconsciousness, Insomnia, pain,		

		Sensory deprivation, Immobility, Anaphylaxis, Septicemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation Emerging communicable diseases, Biomedical waste management
IX	15 EF5	<p>Psychological aspects and Human relations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs <input type="checkbox"/> Human Sexuality and sexual health. <input type="checkbox"/> Stress and adaptation, crisis and its intervention, <input type="checkbox"/> Coping with loss, death and grieving, <input type="checkbox"/> Principles and techniques of Counseling.
X	10	<p>Nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Framework, scope and trends. <input type="checkbox"/> Alternative modalities of care <input type="checkbox"/> Alternative systems of health and complimentary therapies. <input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. <input type="checkbox"/> Health promotion and primary health care. <input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner. <input type="checkbox"/> Collaboration issues and models-within and outside nursing. <input type="checkbox"/> Models of Prevention <input type="checkbox"/> Gender sensitive issues and women empowerment. <input type="checkbox"/> Disaster nursing. <input type="checkbox"/> Trans-cultural nursing.
XI	15	<p>Advanced nursing skills</p> <ul style="list-style-type: none"> <input type="checkbox"/> Definition, Indication and nursing implications: <input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS

10 EF5	<p>Computer applications for patient care delivery system and nursing Practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use of computers in teaching, learning, research and nursing practice. <input type="checkbox"/> Windows, MS office: Word, Excel, Power Point <input type="checkbox"/> Internet-literature search, <input type="checkbox"/> Statistical packages <input type="checkbox"/> Hospital management information system: softwares
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Legend: *EF-External Faculty

Practical – 500 Hrs

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	Total	11

Activities

- Practice advance clinical procedures
- Prepare Care study and care plan based on nursing process and nursing theories (Medial ,Surgical)
- Care Analysis (Medial/ Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching-3

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion



- Debate
- Case Presentations
- Exposure to scientific conferences

Methods of evaluation:

Tests

- Presentation
- Seminar
- Written assignments

Advance Nursing Procedures

Definition, Indication and nursing implications:

- Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal parentesis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

Internal Assessment

Theory	Weightage
Sessional exams (3)	50%
Assignment	25%
Seminar/presentation	25%
	100%

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- Moyet Carpenito, Nursing Diagnosis. 'Lippincott. Latest edn .
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- National and international journals in nursing practice, advanced nursing, and critical care.

NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

Part A: Nursing Research

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

COURSE CONTENT:

Unit	Theory hours	Content	Practical hours	Content
I	5	<p>Introduction</p> <p>Review:</p> <p>Problem solving and scientific method.</p> <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Future trends in nursing research. <input type="checkbox"/> Problems and challenges in nursing research, health and social research. <input type="checkbox"/> Priorities for nursing research. <input type="checkbox"/> Evidence based practice. <input type="checkbox"/> Ethics in research 		
II	5	<p>Review of Literature</p> <p>Review-</p> <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources • Guidelines for writing literature review. 	5	Literature search-web Search

III	10	Research problem: <ul style="list-style-type: none"> <input type="checkbox"/> Identification of research problem/ research question. <input type="checkbox"/> Formulation of problem statement and research objectives <input type="checkbox"/> Definition of terms <input type="checkbox"/> Assumption and delimitations <input type="checkbox"/> Identification of variables <input type="checkbox"/> Hypothesis –definition, formulation and types. 	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	Developing theoretical /conceptual framework. <ul style="list-style-type: none"> <input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research <input type="checkbox"/> Using, testing and developing conceptual framework, models and theories. 	5	Developing theoretical /conceptual framework.
V	15	Research Approach and designs Qualitative and Quantitative, Mixed methods Qualitative research approaches: Grounded theory, phenomenology, ethnography, case study and historical research. Quantitative: Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	Sampling Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

VII	20	<p>a) Data collection methods and Tools: Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p>b) Measurement and data quality Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
VIII	3	Critical analysis of research reports and articles	15	Critical analysis of research reports and articles
IX	4	Developing and presenting a research proposal	5	Presenting a research proposal
X	5	<p>Implementing research plan Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data</p>	40	Pilot study
XI	10	<p>Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion</p>		
XII	10	<p>Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA),</p>		

		Utilization of research findings. Writing scientific articles for publication: purposes & style		
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Activities:

- Annotated Bibliography of research reports and articles. -4
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical /conceptual framework.
- Preparation of a sample research tool.
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal presentation-1
- Critical evaluation of selected research studies –dissertaton-1,journal article -1
- Writing a scientific paper

Methods of Teaching:

- Lecture-cum-discussion
- Seminar/Presentations
- Project
- Class room exercises
- Journal club

Methods of Evaluation:

- Quiz, Tests(Term)
- Assignments/Term paper
- Presentations
- Project work (Concerned specialty)

Internal Assessment Techniques	Weightage (15 marks)
Sessional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
Total	100%

Part –B: Statistics (External Faculty)

Hours of Instruction

Theory	50Hours
Practical	25 Hours
Total	75 Hours

Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

Course content

Unit	Hours		Content
	Theory	Practical	
I	7		Introduction: <ul style="list-style-type: none"> □ Concepts, types, significance and scope of statistics, meaning of data □ Sample, parameter □ Type and levels of data and their Measurement <ul style="list-style-type: none"> □ Organization and presentation of data-Tabulation of data □ Frequency distribution □ Graphical and tabular presentations
II	4		Measures of central tendency: Mean, Median, Mode
III	4		Measures of variability: □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation
IV	3		Normal Distribution: □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		Measures of relationship: □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		Designs and meaning: <ul style="list-style-type: none"> □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		Significance of Statistic and Significance of difference between Two Statistics(Testing hypothesis) <ul style="list-style-type: none"> □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- t' test, ANOVA,

VIII	5		<p>Use of statistical methods in psychology and education:</p> <ul style="list-style-type: none"> □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	<p>Application of statistics in health:</p> <p>Ratios, Rates, Trends</p> <p>Vital health statistics –Birth and death rates</p> <p>Measures related to fertility, morbidity and mortality</p>
X	4	20	<p>Use of Computers for data analysis</p> <p>Use of statistical package</p>

Activities:

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health

statistics and use of computer for data entry and analysis using statistical package

Methods of Evaluation:

- Test, Classroom statistical exercises

Internal Assessment Techniques

weightage 10 marks

Sessional exams – (2)

100%

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CLINICAL SPECIALTY – I
MEDICAL SURGICAL NURSING-I

Placement: 1st Year

Hours of instruction

Theory: 150 Hours

Nursing Faculty: 120Hours

External Faculty: 30 Hours

Practical: 900 Hours

Total: 1050 Hours

Course Description

It is designed to assist students in developing expertise and in-depth knowledge in the field of Medical Surgical Nursing. It will help students to appreciate the patient as a holistic individual and develop skill to function as a specialized Nurse. It will further enable the student to function as educator, manager and researcher in the field of Medical – Surgical Nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the trends & issues in the field of Medical – Surgical Nursing as a specialty.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of Medical – Surgical patients.
5. Apply Nursing process in providing care to patients.
6. Integrate the concept of family centred nursing care with associated disorder such as genetic, congenital and long-term illness.
7. Recognize and manage emergencies
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues
10. Prepare a design for ICU
11. Appreciate the role of alternative systems of Medicine in care of patients.
12. Incorporate evidence based Nursing practice and identify the areas of research
13. Recognize the role of Nurse practitioner as a member of the health team.
14. Conduct clinical Teaching for undergraduate nursing students & in-service nurses.

COURSE CONTENT:

Unit	Hours	Content
1	3	<p>Introduction:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Historical development of Medical- Surgical Nursing <input type="checkbox"/> Trends & issues in Medical – Surgical Nursing. <p>Ethical & cultural issues in Medical – Surgical Nursing</p> <p>Review: General Health Assessment & History taking , Nutritional assessment.</p>
II	15 (EF 3)	<p>Management of patients with disorders of Gastro intestinal system</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination, diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of GERD, APD, Intestinal obstruction, , Pancreatitis, GI Bleeding, Irritable Bowel Syndrome, Inflammatory bowel disease, colorectal cancers, Ca stomach, Ca oesophagus Cirrhosis of Liver, Hepatic failure, Liver transplantation <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
III	12 (EF 3)	<p>Management of patients with disorders of nervous system</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination, diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology, diagnostic tests & management of Stroke, Meningitis, Encephalitis,Alzheimers disease, Epilepsy, ICSOL, GBS,MyastheniaGravis,Parkinsonsdisease,Multiple sclerosis <input type="checkbox"/> Related research studies & Evidence based <i>nursing</i> practice. <input type="checkbox"/> Rehabilitation and follow-up.
IV	14 (EF 3)	<p>Management of patients with disorders of respiratory system</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic Investigations, <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of Asthma,Bronchiectasis Pulmonary tuberculosis, COPD, ARDS, Respiratory Failure, Pulmonary edema, Interstitial lung diseases, Pulmonary embolism, Pulmonary neoplasm,Pneumonia, Mechanical ventilation Chest trauma, lung surgeries.

		<ul style="list-style-type: none"> <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
V	12 (EF5)	Management of patients with disorders of cardio vascular system <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic Investigations, Congenital heart disease,Rhematic heart disease,cardiomyopathy <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of Hypertension, Acute coronary syndrome, Arrhythmias , CCF,Pace maker Care of patients with open heart surgery. <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
VI	12 (EF 3)	Management of patients with disorders of blood <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of Anemias, Leukemias, <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
VII	15 (EF3)	Management of patients with disorders of genito- urinary system <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of Renal Calculi, UTI, Nephritis, Nephrotic Syndrome, AKI,CKD,BPH, Ca bladder, Dialysis,Renal transplantation. <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
VIII	7	Management of patients with disorders of endocrine system <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of DM, Pituitary disorders, Thyroid parathyroid and adrenal dysfunctions.

		<ul style="list-style-type: none"> <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
IX	7	<p>Management of patients with disorders of muscular-skeletal system</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology diagnostic tests & management of Arthritis, SLE, Osteoporosis, Osteomyelitis, reconstructive surgeries, Amputation. Fracture <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
X	4	<p>Management of patients with disorders of Integumentary System</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health assessment- History taking, physical examination , diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology ,diagnostic tests & management of psoriasis, , pemphigus, leprosy, <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
XI	4	<p>Management of patients with disorders of Eye and ENT</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Functional anatomy and physiology. <input type="checkbox"/> Health assessment- History taking, physical examination, diagnostic investigations <input type="checkbox"/> Etiology, pathophysiology, diagnostic tests & management of glaucoma, cataract, transplantation <input type="checkbox"/> Related research studies & Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
XII	10	<p>Geriatric nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ageing; Demography, Concepts and theories of ageing <input type="checkbox"/> Age related body systems changes.

		<ul style="list-style-type: none"> <input type="checkbox"/> Psychosocial Aspects of Aging. <input type="checkbox"/> Stress& coping in older adults. <input type="checkbox"/> Nursing Assessment-History and Physical assessment. <input type="checkbox"/> Medications and elderly. <input type="checkbox"/> Common Health Problems & Nursing Management <input type="checkbox"/> Psychosocial and Sexual abuse of elderly. <input type="checkbox"/> Use of aids and prosthesis <input type="checkbox"/> Legal& Ethical Issues.
XIII	10	<p>Management of patients with communicable and sexually transmitted diseases:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review of immune system. <input type="checkbox"/> Common Disorders of immune system – HIV/AIDS. <input type="checkbox"/> Review of infection process cycle, Etiology, Patho physiology, Clinical manifestations, complications, prognosis, investigation and Diagnostic assessment, Treatment modalities of acute diarrhoeal disorders, typhoid fever, hepatitis, malaria, Japanese encephalitis, leptospirosis, dengue fever <input type="checkbox"/> Emerging communicable disease
XIV	10 (EF 4)	<p>Emergency, trauma and multi-system organ failure</p> <ul style="list-style-type: none"> <input type="checkbox"/> DIC (disseminated intravascular coagulation) <input type="checkbox"/> Burns, poisoning <input type="checkbox"/> Health assessment-History taking, physical examination, investigation and diagnostic assessment and management of craniocerebral trauma, spinal cord injury and abdominal injuries. <input type="checkbox"/> Related research studies. <input type="checkbox"/> Evidence based nursing practice. <input type="checkbox"/> Rehabilitation and follow-up.
XV	15 (EF 3)	<p>Oncology Nursing : Aetiology,investigation, preventive measures of Malignancies, Chemotherapy,radiationTherapy, ImmuneTherapy,Palliativecare,Bone marrow transplantation, stem cell transfer</p>

Sl. No	Dept/Unit	No. of Weeks
1.	General Medical Ward	4
2.	General surgical ward	4
3.	ICUs	7
4.	Oncology	2
5.	Emergency Department	
	Total	19

Clinical Activities:

- Clinical presentations -5
- Care plan-5 (nursing Process)
- Care plan 2(theory based)
- Care study-1
- Care analysis-2 medical1,surgical 1
- Term paper
- Clinical profile 2
- Drug file

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper-1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

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- Floch,MartinH.etal.'Netter's Gastro-entriology'.Icon learning systems.
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**SECOND YEAR M.Sc NURSING
NURSING MANAGEMENT**

**Placement: II Year
Hours of Instruction**

Nurse Specialist :105 Hours	Theory :150 Hours
	External :45 Hours
	Practical :200 Hours
	Total : 350 Hours

Course Description

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

COURSE CONTENT

Unit	Theory	Content
I	10 *EF5	<p>Introduction</p> <ul style="list-style-type: none"> • Concepts of Management Philosophy, theories, elements, Principles, -(Review). Functions of administration Indian Constitution, Indian Administrative system health care delivery system: National, State and Local Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans
II	10	<p>Nursing management</p> <ul style="list-style-type: none"> Concept, types, principles and techniques Vision and Mission Statements Philosophy, aims and objective Current trends and issues in Nursing Administration Theories and models Application to nursing service and education Autonomy and accountability for nursing practice.
III	15 EF5	<ul style="list-style-type: none"> Planning and control Co-ordination and delegation Decision making – decentralization basic goals of decentralization. Strategic planning Operational plans Management plans Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO) Planning new venture Planning for change

		Innovations in nursing Application to nursing service and education
IV	15 EF5	Organisation Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15 EF5	Human Resource for health Staffing Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) Estimation of nursing staff requirement- activity analysis Various research studies Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

<p>VI</p>	<p>15 EF5</p>	<p>Directing</p> <p>Roles and functions Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations Delegation; common delegation errors Managing conflict: process, management, negotiation, consensus Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager Occupational health and safety Application to nursing service and education</p>
<p>VII</p>	<p>10</p>	<p>Material management</p> <p>Concepts, principles and procedures Planning and procurement procedures : Specifications ABC analysis, VED (very important and essential daily use) analysis Planning equipments and supplies for nursing care: unit and Hospital Inventory control , Condemnation Application to nursing service and education</p>
<p>VIII</p>	<p>15 EF5</p>	<p>Controlling</p> <p>Quality assurance – Continuous Quality Improvement Standards, Models, Nursing audit Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education, Supervision and management: concepts and principles Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceeding senquiryetc Self evaluation or peer evaluation, patient satisfaction, utilization review</p>

		Application to nursing service and education
IX	15 EF5	Fiscal planning Steps Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue Budget estimate, revised estimate, performance budget Audit Cost effectiveness Cost accounting Critical pathways Health care reforms Health economics Health insurance Budgeting for various units and levels Application to nursing service and education
X	10 EF5	Nursing informatics Trends General purpose Use of computers in hospital and community Patient record system Nursing records and reports Management information and evaluation system (MIES) E- nursing, Telemedicine, telenursing Electronic medical records
XI	10	Leadership Concepts, Types, Theories Styles Manager behavior Leader behavior , Assertiveness Effective leader: Characteristics, skills Group dynamics Power and politics , Visibility of nursing Lobbying Stress management Applications to nursing service and education
XII	10 EF5	Legal and ethical issues Laws and ethics Ethical committee Code of ethics and professional conduct

		<p>Legal system: Types of law, tort law, and liabilities</p> <p>Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character</p> <p>Patient care issues, management issues, employment issues</p> <p>Medico legal issues</p> <p>Nursing regulatory mechanisms: licensure, renewal, accreditation</p> <p>Patients rights, Consumer protection act(CPA)</p> <p>Rights of special groups: children, women, HIV, handicap, ageing</p> <p>Professional responsibility and accountability</p> <p>Infection control</p> <p>Standard safety measures</p>
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***EF- External Faculty**

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal.
13. Identify the problems of the specialty units and develop plan of action by problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over

reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.

16. Prepare a plan for disaster management

17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

Methods of Teaching

- Lecture cum discussion
- Seminar / Presentations
- Workshop

Methods of evaluation

- Tests
- Presentation
- Written assignments

Internal Assessment Techniques	Weightage (%)
Sessional exam (3)	50
Assignments	25
Seminar/presentations	25

Total **100%**

Assignments

Theory

Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department.

Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.)

Performance Appraisal Format for Nursing Staff.

Practical

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1
Nursing Care Conference	1

Clinical Posting

Various Wards/ICUs of Hospital. - 4 Weeks

Office of Nursing Superintendent / Nursing Officer- 1 week

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CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING-II

SUB SPECIALITY – CARDIO VASCULAR AND THORACIC NURSING

Placement : II year

Hours of Instruction

Theory : 150 hours.

Nursing Faculty:-125 hrs

External Faculty:-25 hrs

Practical : 1450 hours.

Total : 1600 hours.

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of cardiovascular and thoracic nursing. It will help students to develop advanced skills for nursing intervention in various cardio medical and surgical conditions. It will enable the student to function as Cardio vascular and Thoracic Nurse practitioner/specialist. It will further enable the student to function as educator, manager and researcher in the field of cardio vascular and thoracic nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to cardio vascular and thoracic Nursing.
2. Describe the epidemiology, etiology, patho-physiology and diagnostic assessment of cardio vascular and thoracic conditions
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardio vascular and thoracic conditions
4. Perform physical, psychosocial & spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardio vascular and thoracic conditions
7. Demonstrate advance skills/competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.

8. Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility
9. Demonstrate skill in handling various equipments/gadgets used for critical care of cardio vascular and thoracic patients
10. Appreciate team work & coordinate activities related to patient care.
11. Practice infection control measures.
12. Identify emergencies and complications & take appropriate measures
13. Discuss the legal and ethical issues in cardio vascular and thoracic nursing
14. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
15. Appreciate the role of alternative system of medicine in care of patient
16. Incorporate evidence based nursing practice and identify the areas of research in the field of cardio vascular and thoracic nursing
17. Identify the sources of stress and manage burnout syndrome among health care providers.
18. Teach and supervise nurses and allied health workers.
19. Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice.

CONTENT OUTLINE

Unit	Hours	Content
1	5	Introduction: <ul style="list-style-type: none"> <input type="checkbox"/> Historical development, trends and issues in the field of cardiology. <input type="checkbox"/> Cardio vascular and thoracic conditions – major health problem. <input type="checkbox"/> Concepts, principles and nursing perspectives <input type="checkbox"/> Ethical and legal issues <input type="checkbox"/> Evidence based nursing and its application in cardio vascular and thoracic nursing(to be incorporated in all the units)
II	5	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Risk factors: hereditary, psycho social factors, hypertension, smoking, obesity, diabetes mellitus etc <input type="checkbox"/> Health promotion, disease prevention, Life style modification <input type="checkbox"/> National health programs related to cardio vascular and thoracic
☆		46

		<p>conditions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alternate system of medicine <input type="checkbox"/> Complementary therapies
III	5	<p>Review of anatomy and physiology of cardio vascular and respiratory system</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review of anatomy and physiology of heart, lung, thoracic cavity and blood vessels. Embryology of heart and lung. <input type="checkbox"/> Coronary circulation, Foetal Circulation <input type="checkbox"/> Hemodynamics and electro physiology of heart. <input type="checkbox"/> Bio-chemistry of blood in relation to cardio pulmonary function
IV	20 EF5	<p>Assessment and Diagnostic Measures:</p> <p>History taking</p> <p>Physical assessment</p> <ul style="list-style-type: none"> <input type="checkbox"/> Heart rate variability: Mechanisms , measurements, pattern, factors, impact of interventions on HRV Diagnostic tests <input type="checkbox"/> Hemodynamic monitoring: Technical aspects, monitoring, functional hemodynamic indices, ventricular function indices, output measurements (Arterial and swan Ganz monitoring). Blood gases and its significance, oxygen supply and demand <input type="checkbox"/> Radiologic examination of the chest: interpretation, chest film findings <input type="checkbox"/> Electro cardiography(ECG) : electrical conduction through the heart, basic electrocardiography, 12 lead electrocardiogram, axis determination - ECG changes in: intraventricular conduction abnormalities- Arrhythmias, ischemia, injury and infarction, atrial and ventricular enlargement, electrolyte imbalance, <input type="checkbox"/> Echocardiography: technical aspects, special techniques, echocardiography of cardiac structures in health and disease, newer techniques <input type="checkbox"/> Nuclear and other imaging studies of the heart: Magnetic Resonance Imaging. <input type="checkbox"/> Cardio electrophysiology procedures: diagnostic studies, interventional and catheter ablation, nursing care
	☆	47

		<ul style="list-style-type: none"> □ Exercise testing: indications and objectives, safety and personnel, pretest considerations, selection, interpretation, test termination, recovery period □ Cardiac catheterization: indications, contraindications, patient preparation, procedure, interpretation of data □ Pulmonary function test: Bronchoscopy and graphies □ Interpretation of diagnostic measures □ Nurse's role in diagnostic tests <p>• Pneumonias Laboratory tests using blood: Blood specimen collection, Cardiac markers, Blood lipids, Hematologic studies, Blood cultures, Coagulation studies, Arterial blood gases, Blood Chemistries, cardiac enzyme studies, Serum Concentration of Selected drugs. Interpretation and role of nurse.</p> <p>V 25 EF4 Cardiac disorders and nursing management:</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, newer treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • Hypertension • Coronary Artery Disease. • Angina of various types. • Cardiomegaly • Myocardial Infarction, Congestive cardiac failure • Heart Failure, Pulmonary Edema, Shock. • Rheumatic heart disease and other Valvular Diseases • Inflammatory Heart Diseases, Infective Endocarditis, Myocarditis, Pericarditis. • Cardiomyopathy, dilated, restrictive, hypertrophic. • Arrhythmias, heart block <p>Associated illnesses</p>
<p>VI</p>	<p>10</p> <p>EF3</p>	<p>Altered pulmonary conditions</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • Bronchitis • Bronchial asthma • Bronchiectasis <p>• Lung abscess, lung tumour</p> <p>• Pulmonary tuberculosis, fibrosis, pneumoconiosis etc</p>



		<ul style="list-style-type: none"> • Pleuritis, effusion • Pneumo, haemo and pyothorax • Interstitial Lung Disease • Cystic fibrosis • Acute and Chronic obstructive pulmonary disease (conditions leading to) • Cor pulmonale • Acute respiratory failure • Adult respiratory distress syndrome • Pulmonary embolism • Pulmonary Hypertension <p>VII 10</p> <p>EF3 Vascular disorders and nursing management</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • Disorders of arteries • Disorders of the aorta • Aortic Aneurysms, • Aortic dissection • Raynaud’s phenomenon • Peripheral arterial disease of the lower extremities • Venous thrombosis • Varicose veins • Chronic venous insufficiency and venous leg ulcers • Pulmonary embolism <p>VIII 10</p> <p>EF3 Cardio thoracic emergency interventions</p> <p>CPR- BLS and ALS</p> <p>Use of ventilator, defibrillator , pacemaker</p> <p>Post resuscitation care.</p> <p>Care of the critically ill patients</p> <p>Psychosocial and spiritual aspects of care</p> <p>Stress management; ICU psychosis</p>
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IX	10 EF3	<p>Role of nurse</p> <p>Nursing care of a patient with obstructive airway</p> <p>Assessment</p> <p>Use of artificial airway</p> <p>Endotracheal intubation, tracheostomy and its care</p> <p>Complication, minimum cuff leak, securing tubes</p>
X	10 EF4	<p>Oxygen delivery systems.</p> <p>Nasal Cannula</p> <p>Oxygen mask, Venturi mask</p> <p>Partial rebreathing bag</p> <p>Bi-PAP and C-PAP masks</p> <p>Uses, advantages, disadvantages, nursing implications of each.</p>
XI	10	<p>Mechanical Ventilation</p> <p>Principles of mechanical ventilation</p> <p>Types of mechanical ventilation and ventilators.</p> <p>Modes of ventilation, advantage, disadvantage, complications.</p> <p>PEEP therapy, indications, physiology, and complications. Weaning off the ventilator.</p> <p>Nursing assessment and interventions of ventilated patient</p>
XII	20	<p>Congenital Heart Diseases</p> <p>Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, treatment modalities and nursing management of:</p> <ul style="list-style-type: none"> • Embryological development of heart. • Classification – cyanotic and acyanotic heart disease. • Tetralogy of Fallots. • Atrial Septal Defect, Ventricular Septal Defect., Eisenmenger’s complex. • Patent ductus arteriosus, AP window • Truncus Arteriosus. • Transposition of great arteries. • Total Anomaly of Pulmonary Venous Connection. • Pulmonary stenosis, atresia.

<p>XIII</p>	<p>5</p>	<ul style="list-style-type: none"> • Coarctation of aorta. • Ebstein's anomaly • Double outlet right ventricle, Single ventricle, Hypoplastic left heart syndrome. <p>Pharmacology</p> <p>Review</p> <p>Pharmacokinetics</p> <p>Analgesics/Anti inflammatory agents</p> <p>Antibiotics, antiseptics</p> <p>Drug reaction & toxicity</p> <p>Drugs used in cardiac emergencies</p> <p>Blood and blood components</p> <ul style="list-style-type: none"> • Thrombolytic agents • Inotropic agents • Beta-blocking agents • Calcium channel blockers. • Vaso constrictors • Vaso dilators • ACE inhibitors. • Angiotensin receptor blockers • Anticoagulants • Antiarrhythmic drugs. • Anti hypertensives • Diuretics • Sedatives and tranquilizers. • Digitalis. • Antilipemics <p>Principles of drug administration, role and responsibilities of nurses and care of drugs</p>
<p>XIV</p>	<p>5</p>	<p>Nursing Care of patient undergoing cardio thoracic surgery</p> <p>Indications, selection of patient</p> <p>Preoperative assessment and preparation; counseling.</p>

Intra-operative care: Principles of open heart surgery, equipment, anesthesia, cardiopulmonary bypass.

Surgical procedures for Coronary Artery Bypass Grafting, recent advances and types of grafts, Valve replacement or reconstruction, cardiac transplant, Palliative surgery and different Stents, vascular surgery, other recent advances.

Thoracic surgery: lobectomy, pneumonectomy, tumour excision etc

Immediate postoperative care : assessment, post operative problems and interventions : Bleeding, Cardiac tamponade, Low cardiac output, Infarction, Pericardial effusion, Pleural effusion, Pneumothorax, Haemothorax, Coagulopathy, Thermal imbalance, Inadequate ventilation/perfusion, Neurological problems, renal problems, Psychological problems.

Chest physiotherapy
Nursing interventions- life style modification, complementary therapy/alternative systems of medicine.

Intermediate and late post operative care after CABG, valve surgery,others.

Follow up care

Cardiac rehabilitation
Process
Physical evaluation
Life style modification
Physical conditioning for cardiovascular efficiency through exercise
Counseling
Follow up care

Intensive Coronary Care Unit/intensive cardio thoracic unit:

Quality assurance

- Standards, Protocols, Policies, Procedures
- Infection control; Standard safety measures
- Nursing audit
- Design of ICCU/ICTU
- Staffing; cardiac team
- Burn out syndrome

Nurse's role in the management of I.C.C.U and ICTU.

Mobile coronary care unit.

Planning inservice educational programme and teaching

Practicals

Total – 1450 Hours

1 Weeks = 48 Hours

SL. No	Dept/ Unit	No.of weeks
1.	Cardio thoracic- Medical	4
	-Surgical	4
2	OT (cardiac & Thoracic)	4
3	Diagnostic Lab including cath Lab	2
4	ICCU	5
5	ICU	4
6	CCU	4
7	Paediatric Intensive Care	2
8	OPD	1
	Total	30

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	50%
Written assignments	25%	Clinical assignments	25%
Seminars/Presentations	25%	Internal examination	25%
Total	100%	TOTAL	100%

Essential Nursing Skills

Procedures to be observed

1. Echo cardiogram
2. Ultrasound
3. Monitoring JVP , CVP
4. CT SCAN
5. MRI

6. PET SCAN
7. Angiography
8. Cardiac catheterization
9. Angioplasty
10. Various Surgeries
11. Any other

I. Procedures to be assisted

1. Arterial blood gas analysis
2. Thoracentesis
3. Lung biopsy
4. Computer assisted tomography (CAT Scan)
5. M.R.I.
6. Pulmonary angiography
7. Bronchoscopy
8. Pulmonary function test
9. ET tube insertion
10. Tracheostomy tube insertion
11. Cardiac catheterization
12. Angiogram
13. Defibrillation
14. Treadmill test
15. Echo cardiography
16. Doppler ultrasound
17. Cardiac surgery
18. Insertion of chest tube
19. CVP Monitoring
20. Measuring pulmonary artery pressure by Swan-Ganz Catheter
21. Cardiac Pacing

II. Procedures to be Performed

1. Preparation of assessment tool for CT client (Cardiac, thoracic and vascular).
2. ECG – Recording, Reading, Identification of abnormalities

3. Oxygen therapy – Cylinder, central supply, Catheter, nasal canula, mask, tent, through ET and tracheostomy tube, manual resuscitation bag.
4. Mechanical ventilation
5. Spirometer
6. Tuberculin skin test
7. Aerosol therapy
8. Nebulizer therapy
9. Water seal drainage
10. Chest physiotherapy including – Breathing Exercises, Coughing Exercises, Percussion & Vibration
11. Suctioning – Oropharyngeal, nasotracheal, Endotracheal
12. Through tracheostomy tube
13. Artificial airway cuff maintenance
14. CPR
15. Care of client on ventilator
16. Identification of different – Arrhythmias, abnormal pulses, respirations, B.P. Variation, Heart sounds, Breath sounds
17. Pulse oxymetry
18. Introduction of intracath
19. Bolus I.V. Injection
20. Life line
21. Maintenance of —Heplock||
22. Subcutaneous Injection of Heparin
23. Obtaining leg measurements to detect early swelling in thrombophlebetis
24. Identification of Homans sign
25. Buerger – Allen exercises

Assignments

Nursing care study -2

Nursing care analysis -2

Nursing care plan based on theories -5



Clinical teaching -5
Design floor plan of cardiovascular and thoracic unit
Organise in service education programme for nurses.

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- National and international journals in nursing practice, nursing education, nursing
research, critical care, cardiovascular and thoracic nursing, nursing management,
continuing nursing education and nursing.

Note: * Latest Edition

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - CRITICAL CARE NURSING

Placement: II Year

Hours of instruction

Theory: 150 hours

Nursing Faculty:-115 hrs

External Faculty:-35 hrs

Practical: 1450 hours

Total : 1600 hours

Course Description

This course is designed to assist students in developing expertise and in-depth knowledge in the field of Critical Care Nursing. It will help students to develop advanced skills for nursing intervention in caring for critically ill patients. It will enable the student to function as critical care nurse practitioner/ specialist. It will further enable the student to function as educator, manager and researcher in the field of Critical Care Nursing.

Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to Critical Care Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients
3. Describe the various drugs used in critical care and nurses responsibility
4. Perform physical, psychosocial & spiritual assessment
5. Demonstrate advance skills/competence in managing critically ill patients including Advance Cardiac Life Support.
6. Demonstrate skill in handling various equipments/gadgets used for critical care
7. Provide comprehensive care to critically ill patients.
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Assess and manage pain.
11. Identify complications & take appropriate measures.
12. Discuss the legal and ethical issues in critical care nursing
13. Assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
14. Assist in various diagnostic, therapeutic and surgical procedures
15. Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing
16. Identify the sources of stress and manage burnout syndrome among health care providers.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of ICU and develop standards for critical care nursing practice.

Content Outline

Unit	Hours	Content
I	5	<p>Introduction to Critical Care Nursing</p> <p>Historical review- Progressive patient care(PPC)</p> <p>Review of anatomy and physiology of vital organs, fluid and electrolyte balance, Concepts of critical care nursing, Principles of critical care nursing, Scope of critical care nursing, Critical care unit set up including equipments supplies, use and care of various type of monitors & ventilators,flow sheets.</p>
II	10	<p>Concept of Holistic care applied to critical care nursing practice</p> <p>Impact of critical care environment on patients:-</p> <ul style="list-style-type: none"> • Risk factors, Assessment of patients, Critical care psychosis, prevention & nursing care for patients affected with psycho physiological & psychosocial problems of critical care unit, Caring for the patient's family, family teaching, The dynamics of healing in critical care unit:-therapeutic touch, Relaxation, Music therapy, Guided Imagery, acupressure, <p>Stress and burnout syndrome among health team members.</p> <p>Prevention & nursing care for patients affected with psycho physiological & psychosocial problems of critical care unit.</p> <p>Caring for the patient's family, family teaching..</p>
III	14	<p>Review</p> <p>Pharmacokinetics</p> <p>Analgesics/Anti inflammatory agents</p> <p>Antibiotics,antiseptics</p> <p>Drug reaction & toxicity</p> <p>Drugs used in critical care unit (inclusive of ionotropic , life saving drugs)</p> <p>Drugs used in various body systems</p> <p>IV fluid and electrolytes</p> <p>Blood and blood components</p> <p>Principles of drug administration ,role of nurses and care of drugs.</p>

IV	5	<p>Pain Management</p> <p>Pain & Sedation in Critically ill patients</p> <p>Theories of pain, Types of pain, Pain assessment, Systemic responses to pain</p> <p>pain management-pharmacological and non-pharmacological measures Placebo effect</p>
V	5	<p>Infection control in intensive care unit</p> <p>Nosocomial infection in intensive care unit; methicilline resistant, staphylococcus aureus (MRSA), Disinfection, Sterilization, Standard safety measures, Prophylaxis for staff</p>
VI	10 EF3	<p>Gastrointestinal System</p> <p>Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Gastrointestinal Bleeding, Abdominal injury, Hepatic Disorders:-Fulminant hepatic failure, Hepatic encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforative peritonitis</p>
VII	10 EF3	<p>Renal System</p> <p>Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Acute Renal Failure, Chronic Renal Failure, Acute tubular necrosis, Bladder trauma</p> <p>Management Modalities: Hemodialysis, Peritoneal Dialysis, Continuous Ambulatory Peritoneal Dialysis, Continuous arterio-venous hemodialysis, Renal Transplantation</p>
VIII	10 EF4	<p>Nervous System</p> <p>Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing management of:-Common Neurological Disorders:- Cerebrovascular disease, Cerebrovascular accident, Seizure disorders, GuilleinBarre-Syndrome, Myasthenia Gravis, Coma, Persistent vegetative state, Encephalopathy, Head injury, Spinal Cord injury</p>
		Management Modalities: Assessment of Intracranial pressure,

		Management of intracranial hypertension, Craniotomy, Problems associated with neurological disorders: Thermo regulation, Unconsciousness, Herniation syndrome
IX	5 EF3	Endocrine System Causes, Pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: Medical, Surgical and Nursing Management of :- Hypoglycemia, Diabetic Ketoacidosis, Thyroid crisis, Myxoedema, Adrenal crisis, Syndrome of Inappropriate/ hypersecretion of Antidiuretic Hormone (SIADH)
X	15 EF4	Management of other Emergency Conditions Mechanism of injury, Thoracic injuries, Abdominal injuries, pelvic fractures, complications of trauma, Head injuries Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic, Neurogenic and Septic shock Systemic inflammatory Response: The inflammatory response, Multiple organ dysfunction syndrome Disseminated Intravascular Coagulation Drug Overdose and Poisoning, Acquired Immunodeficiency Syndrome (AIDS) Ophthalmic: Eye injuries, Glaucoma, retinal detachment Ear Nose Throat: Foreign bodies, stridor, bleeding, quincy, acute allergic conditions Psychiatric emergencies;, suicide, crisis intervention
XI	20 EF6	Cardiovascular emergencies Principles of Nursing in caring for patient's with Cardiovascular disorders Assessment: Cardiovascular system: Heart sounds, Diagnostic studies:- Cardiac enzymes studies, Electrocardiographic monitoring, Holter monitoring, Stress test. Echo cardiography, Coronary angiography, Nuclear medicine studies Causes, Pathophysiology, Clinical types, Clinical features Diagnostic Prognosis, Management : Medical, Surgical &

<p>XII</p>	<p>15 EF4</p>	<p>Nursing management of:-Hypertensive crisis, Coronary artery disease,Acute Myocardial infarction, Cardiomyopathy, Deep vein thrombosis, Valvular diseases, Heart block, Cardiac arrhythmias & conduction disturbances, Aneurysms, Endocarditis, Heart failure, Cardio pulmonary resuscitation BCLS/ ACLS</p> <p>Management Modalities: Thrombolytic therapy, Pacemaker</p> <p>–temporary & permanent, Percutaneous transluminal coronary angioplasty, Cardioversion, Intra Aortic Balloon pump monitoring, Defibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MIDCAB), Valvular surgeries, Heart Transplantation, Autologous blood transfusion, Radiofrequency Catheter Ablation</p> <p>Respiratory System</p> <p>Acid-base balance & imbalance</p> <p>Assesment : History & Physical Examination</p> <p>Diagnostic Tests:Pulse Oximetry, End –Tidal Carbon Dioxide,Monitoring, Arterial blood gas studies, chest radiography,pulmonary Angiography, Bronchoscopy, Pulmonary function Test, Ventilation perfusion scan, Lung ventilation scan</p> <p>Causes, Pathophysiology, Clinical types, Clinical features, Prognosis, Management: Medical, Surgical and Nursing, management of Common pulmonary disorders:-</p> <p>Pneumonia, Status asthmaticus, interstitial lung disease, Pleural effusion, Chronic obstructive pulmonary disease, Pulmonary tuberculosis, Pulmonary edema, Atelectasis, Pulmonary embolism, Acute respiratory failure, Acute respiratory distress syndrome (ARDS), Chest Trauma Haemothorax, Pneumothorax</p> <p>Management Modalities:-Airway Management</p>
		<p>61</p>



		<p>Ventilatory Management:-Invasive, non- invasive, long term mechanical ventilations</p> <p>Bronchial Hygiene:-Nebulization, deep breathing exercise, chest physiotherapy, postural drainage, Inter Costal Drainage, Thoracic, surgeries</p>
XIII	7 EF2	<p>Burns</p> <ul style="list-style-type: none"> <input type="checkbox"/> Clinical types, classification, pathophysiology, clinical features, assessment, diagnosis, prognosis, Management: Medical, Surgical and Nursing management of burns <input type="checkbox"/> Fluid and electrolyte therapy – calculation of fluids and its administration <input type="checkbox"/> Pain management <input type="checkbox"/> Wound care <input type="checkbox"/> Infection control <input type="checkbox"/> Prevention and management of burn complications <input type="checkbox"/> Grafts and flaps <input type="checkbox"/> Reconstructive surgery <input type="checkbox"/> Rehabilitation
XIV	5 EF2	<p>Obstetrical Emergencies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Causes, Pathophysiology, Clinical types, clinical features,diagnostic Prognosis, Management: Medical, Surgical and Nursing management of :Antepartum haemorrhage, Preeclampsia, eclampsia, Obstructed labour and ruptured uterus, Post partum haemorrhage, Peurperal sepsis, Obstetrical shock
XV	10 EF4	<p>Neonatal Paediatric emergencies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Causes, pathophysiology, Clinical types, Clinical features,diagnostics, Prognosis , Management: medical, surgical and Nursing, management of <ul style="list-style-type: none"> o Neonatal emergencies <p>Asphyxia Neonatarum, Pathological Jaundice in Neonates,</p>

<p>XVI</p>	<p>2</p>	<p>Neonatal seizures, Metabolic disorders, Intra cranial Hemorrhage, Neonatal Sepsis, RDS/HMD (Respiratory Distress Syndrome/Hyaline Membrane Disease), Congenital disorders:-</p> <ul style="list-style-type: none"> o Cyanotic heart disease, tracheo oesophageal fistula, congenital hypertropic pyloric stenosis, imperforate anus o Pediatric emergencies <p>Dehydration, Acute broncho pneumonia, Acute respiratory distress, syndrome, Poisoning, Foreign bodies, seizures, traumas, Status asthmaticus</p> <p>Legal and ethical issues in critical care-Nurse's role</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brain death <input type="checkbox"/> Organ donation & Counselling <input type="checkbox"/> Do Not Resuscitate(DNR) <input type="checkbox"/> Euthanasia <input type="checkbox"/> Living will <p>Quality assurance</p>
<p>XVII</p>	<p>2</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Standards, Protocols, Policies, Procedures <input type="checkbox"/> Infection control; Standard safety measures <input type="checkbox"/> Nursing audit <input type="checkbox"/> Staffing <input type="checkbox"/> Design of ICU/CCU
<p>Practical</p>		

Total = 1450 Hours

1 Week = 48 Hours

SL.NO	Dept/ Unit	No .of Weeks
1	Burns ICU	2
2	Medical I.C.U	6
3	Surgical I.C.U	12

4.	CCU	2
5	Emergency Department	3
6	Dialysis Unit	2
7	Transplant Room	2
8	Paediatric/NICU	1
	Total	30

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	50%
Written assignments	25%	Clinical assignments	25%
Seminars/Presentations	25%	Internal examination	25%
Total	100%	TOTAL	100%

ESSENTIAL CRITICAL CARE NURSING SKILLS

I. Procedures to be observed

1. CT Scan
2. MRI
3. EEG
4. Hemodialysis
5. Endoscopic Retrograde cholangio Pancreaticogram(ERCP)
6. Heart/ Neuro/GI./ Renal Surgeries

II. Procedures to be assisted

1. Advanced life support system
2. Basic cardiac life support
3. Arterial line/arterial pressure monitoring/blood taking
4. Arterial blood gas
5. ECG recording
6. Blood transfusion
7. IV cannulation therapy

8. Arterial Catheterization
9. Chest tube insertion
10. Endotracheal intubations
11. Ventilation
12. Insertion of central line/cvp line
13. Connecting lines for dialysis

III. Procedure to be Performed

1. Airway management
 - a. Application of oropharyngeal airway
 - b. Oxygen therapy
 - c. CPAP (Continuous Positive Airway pressure)
 - d. Care of tracheostomy
 - e. Endotracheal extubation
2. Cardiopulmonary resuscitation, Basic cardiac life support, ECG
3. Monitoring of critically ill patients – clinically with monitors, capillary refill time (CRT) assessment of jaundice, ECG.
4. Gastric lavage
5. Assessment of critically ill patients
 Identification & assessment of risk factors, Glasgow coma scale, and dolls eye movement, arterial pressure monitoring, cardiac output/pulmonary artery pressure monitoring, and detection of life threatening abnormalities
6. Admission & discharge of critically ill patients
7. Nutritional needs – gastrostomy feeds, pharyngeal feeds, jejunostomy feeds, TPN, formula preparation & patient education.
8. Assessment of patient for alteration in blood sugar levels monitoring blood sugar levels periodically & administering insulin periodically.
9. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, use of insulin syringes/ tuberculin, monitoring fluid therapy, blood administration.
10. Setting up dialysis machine and starting, monitoring and closing dialysis
11. Procedures for prevention of infections:
 Hand washing, disinfection & sterilization surveillance, and fumigation universal

precautions.

12. Collection of specimen.

13. Setting, use & maintenance of basic equipment, ventilator, O2 analyzer, monitoring equipment, transducers, defibrillator, infusion & syringe pumps, centrifuge machine.

IV Other Procedures (If any):

Assignments

Nursing care study -2

Nursing care analysis -2

Nursing care plan based on theories -5

Clinical teaching -5

Design floor plan of critical care unit

Organise in service education programme for nurses.

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- National and international journals in nursing practice, nursing education, nursing research, critical care, cardiovascular and thoracic nursing, nursing management, continuing nursing education and nursing.

CLINICAL SPECIALTY-II

MEDICAL SURGICAL NURSING- ONCOLOGY NURSING

Placement : II Year

Hours of Instruction

Theory : 150 hours

Nursing Faculty:-125hrs

External Faculty:-25hrs

Practicals : 1450 hours

Total : 1600 hours

Course Description

This course is designed to assist students in developing expertise and indepth understanding in the field of oncology Nursing. It will help students to develop advanced skills for nursing intervention in various oncological conditions. It will enable the student to function as oncology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of oncology nursing

Objectives

1. Explain the prevention, screening and early detection of cancer
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems
3. Describe the psychosocial effects of cancer on patients and families.
4. Demonstrate skill in administering/assisting in various treatment modalities used for patients with cancer
5. Apply nursing process in providing holistic care to patients with cancer.
6. Apply specific concepts of pain management
7. Appreciate the care of death and dying patients and value of bereavement support.
8. Describe the philosophy, concept and various dimensions of palliative care.
9. Appreciate the role of alternative systems of medicine in care of cancer patients.
10. Appreciate the legal & ethical issues relevant to oncology nursing

11. Recognize and manage oncological emergencies
12. Counsel the patients with cancer and their families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing
14. Recognize the role of oncology nurse practitioner as a member of oncology team.
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers.
17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.

Content outline

UNIT	HOURS	CONTENT
I	4	<p>Introduction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology-Incidence, Prevalence – Global, National, State and Local <input type="checkbox"/> Disease burden, concept of cancer, risk factors <input type="checkbox"/> Historical perspectives <input type="checkbox"/> Trends and issues <input type="checkbox"/> Principles of cancer management <input type="checkbox"/> Roles and responsibilities of oncology nurse
II	5 EF5	<p>The Nature of Cancer</p> <ul style="list-style-type: none"> <input type="checkbox"/> Normal cell biology <input type="checkbox"/> The immune system <input type="checkbox"/> Pathological and pathophysiological changes in tissues <ul style="list-style-type: none"> o Biology of the cancer cell o Clone formation Transformation o Tumor stem lines o Structure of a solid tumor o Products produced by the tumor o Systemic effects of tumor growth
111	4	<p>Etiology of Cancer</p> <ul style="list-style-type: none"> <input type="checkbox"/> Carcinogenesis <input type="checkbox"/> Theories of cancer causation <input type="checkbox"/> Risk factors <input type="checkbox"/> Carcinogens – genetic factors, chemical carcinogens, radiation, viruses, Immune system failure, rapid tissue

<p style="text-align: center;">IV</p>	<p style="text-align: center;">10 EF5</p>	<p style="text-align: center;">proliferation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Hormone changes, diet, emotional factors. <p>Diagnostic Evaluation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health assessment: History taking, physical examination, <input type="checkbox"/> Staging and grading of tumors, <input type="checkbox"/> TNM Classification <input type="checkbox"/> Common diagnostic tests <ul style="list-style-type: none"> o Blood investigation: Haemetological, Bio-chemical, Tumor markers, Hormonal assay o Cytology:Fine needle aspiration cytology(FNAC) o Histopathology: Biopsy o Radiological assessment: MRI, Ultrasound, Computed tomography, Mammography, Positron emission tomography(PET), Radio nuclide imaging, Functional metabolism imaging o Endoscopies <p>Nurses responsibilities in diagnostic measures</p>
<p style="text-align: center;">V</p>	<p style="text-align: center;">10</p>	<p>Levels of prevention and care</p> <ul style="list-style-type: none"> <input type="checkbox"/> Primary prevention – Guidelines for cancer detection, general measures, Warning signs of cancer <input type="checkbox"/> Self examination-Oral, Breast, Testicular <input type="checkbox"/> Secondary prevention – early diagnosis. <input type="checkbox"/> Screening <input type="checkbox"/> Tertiary prevention – disability limitation, <input type="checkbox"/> Rehabilitation :Mobility , Speech, Bowel and bladder, Ostomies etc , Patient and family education, <input type="checkbox"/> Discharge instruction, follow-up care and use of community resources.

VI	25 EF10	<p>Cancer Treatment Modalities and Nurse's Role</p> <p>□ Surgery</p> <ul style="list-style-type: none"> • Principles of surgical oncology • Current surgical strategy, • Determining surgical risk • Special surgical techniques • Pre-intra-postoperative nursing care • Acute and chronic surgical complications • Future directions and advances <p>Chemotherapy</p> <ul style="list-style-type: none"> • Principles and classification of chemotherapeutics • Pharmacology of antineoplastic drugs- Mechanism of action, absorption, protein binding, Bio-transformation, excretion, common side effects, drug toxicity • Calculating drug doses, • Therapeutic response to chemotherapy-Tumor variables, drug resistance, • Safety precautions <p>Radiation Therapy</p> <ul style="list-style-type: none"> • Physics of radiotherapy • Types of ionizing rays • Radiation equipments:Linear accelerator,cobalt, Implants, Isotopes, • Types of therapies: Oral, Brachy therapy, tele therapy, selectron therapy • Effects of radiation on the body tissue, • Radiation biology – cell damage hypoxic cells, alteration of tumor kinetics. • Approaches to radiation therapy – • External radiotherapy • Internal radiotherapy – unsealed, Sealed sources. <p>Effectiveness of radiotherapy-Radiosensitivity, treatment effects</p> <ul style="list-style-type: none"> • Complications of radiotherapy
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<p>VII</p>	<p>10</p>	<ul style="list-style-type: none"> • Radiation safety: Standards of Bhabha Atomic Research Centre(BARC) <ul style="list-style-type: none"> □ Bone Marrow Transplantation/Stem Cell Transplantation <ul style="list-style-type: none"> □ Types, Indications, Transplantation procedure, complications and nursing management □ Types and donor sources □ Preparation and care of donor and recipient □ Bone marrow bank □ Legal and ethical issues □ Immunotherapy (Biotherapy) <ul style="list-style-type: none"> □ Concepts and Principles □ Classification of agents □ Treatment and applications □ Gene Therapy <ul style="list-style-type: none"> □ Current Concepts and practices □ Alternative and Complementary Therapies <ul style="list-style-type: none"> □ Current Practices <p>Pain management:-</p> <ul style="list-style-type: none"> • Theories, types and nature of cancer pain • Pathophysiology of pain • Pain threshold <p>Assessment of pain</p> <ul style="list-style-type: none"> • Principles of cancer pain control • Pharmacological: Opioid and non-opioid analgesic therapy • Patient controlled analgesia(PCA) • Other invasive techniques of pain control • Recent developments in cancer pain, <p>Non- Pharmacological pain relief technique</p>
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VIII	5	<ul style="list-style-type: none"> • Complementary therapies(Music, massage, meditation, relaxation techniques, biofeed back etc) • Psychological intervention in pain control • Alternative system of medicines <p>Role of nurse</p> <p>Palliative care</p> <p>Definition and scope, philosophy</p> <p>Concept and elements of palliative care</p> <p>Global and Indian perspective of palliative care</p> <p>Quality of life issues</p> <p>Communication skill</p> <p>Nursing perspective of palliative care and its elements</p> <p>Home care</p> <p>Hospice care</p>
IX	2	<p>Role of nurse in palliative care</p> <p>Infection control.</p> <ul style="list-style-type: none"> • Process of infection, risk of hospitalization, nosocomial infections- prevention and control of infection in acute, long term care facility and community based care • Standard safety measures
X	30	<p>Nursing Care of Patients With Specific Malignant Disorders.</p> <ul style="list-style-type: none"> ☐ Malignancies of G.I. system-oral, oesophagus, stomach, rectal,liver& pancreas, care of ostomies/stoma ☐ Respiratory malignancies, ☐ Genito urinary system malignancies- prostate Bladder, renal, testicular malignancies, Gynecological malignancies-cervix, uterus, ovary , Hematological malignancies-Lymphomas, Leukemias. ☐ Malignancies of musculoskeletal system, Endocrine malignancies ☐ Skin

- Head and Neck -brain tumors,
- Other malignancies – Breast cancer, AIDS related Malignancies(Kaposi's Sarcoma)

XI 10 Paediatric malignancies

- Leukemia, Lymphoma, Neuro- blastoma
- Wilm's tumor, Soft tissue sarcoma, Retinoblastoma
- Nursing Management of children with Paediatric Malignancies

XII 15 Nursing Management of Physiological Conditions and Symptoms of Cancer Patient

- Nutrition: - effects of cancer on nutritional Status and its consequences:-Anemia, Cachexia, Xerostomia, mucositis, Dysphagia , nausea and vomiting, constipation, diarrhoea, electrolyte imbalances, taste alterations
- Impaired mobility: Decubitus ulcer, pathologic fractures, thrombophlebitis, pulmonary embolism, contractures, footdrop.

Other symptoms

- Dyspepsia & hiccup, dyspnoea
- intestinal obstruction,
- Fungating wounds,
- Anxiety & depression,
- Insomnia,
Lymph edema

Impact of cancer on sexuality:

- Effects of radiotherapy/ chemotherapy/surgery on sexuality of the cancer patient.
- Nursing management of cancer patients experiencing sexual dysfunction
- Sexual counselling

□

<p>XIII</p>	<p>10 Cancer Emergencies</p> <p>EF5</p> <ul style="list-style-type: none"> <input type="checkbox"/> Disseminated intravascular coagulation(DIC) <input type="checkbox"/> Malignant pleural effusion <input type="checkbox"/> Neoplastic cardiac tamponade and septic shock spinal cord compression <input type="checkbox"/> Superior venacava syndrome <input type="checkbox"/> Metabolic emergency: hyper and hypo calcemia. <input type="checkbox"/> Surgical emergency <input type="checkbox"/> Urological emergency <input type="checkbox"/> Hemorrhage <input type="checkbox"/> Organ obstruction <input type="checkbox"/> Brain metastasis
<p>XIV</p>	<p>8 Psycho-Social Aspects of Nursing Care</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nurses role in managing oncologic emergencies <input type="checkbox"/> Psychological responses of patients with cancer <input type="checkbox"/> Psychosocial assessment – <input type="checkbox"/> Crisis intervention, coping mechanisms <input type="checkbox"/> Stress management, spiritual/cultural care and needs <input type="checkbox"/> Counseling: individual and family <input type="checkbox"/> Maximizing quality of life of patient and family
<p>Ethical, moral and legal issues-</p> <ul style="list-style-type: none"> <input type="checkbox"/> End of life care <input type="checkbox"/> Grief and grieving process <input type="checkbox"/> Bereavement support <input type="checkbox"/> Care of Nurses who care for the dying. <p>Layout and Design of an oncology institution/ ward, OPD,</p>	
<p>XV</p>	<p>2 chemotherapy unit, Bone marrow transplantation unit, Pain clinic etc</p> <p>Practice Standards of oncology nursing</p> <ul style="list-style-type: none"> • Policies and Procedures <p>Practice Standards of oncology nursing</p> <p>Establishing Standing orders and Protocols</p> <p>Quality Assurance Programme in oncology units</p> <p>Nursing audit</p>

Clinical Experience

Total Hours-1450

1 Week= 48 hours

Sl.No	Dept./Unit	No. of weeks
1.	Medical oncology ward	6
2.	Surgical oncology ward	6
3.	Bone marrow transplant unit	2
4.	Operation theatre	2
5.	Radiotherapy unit	2
6.	Chemotherapy unit	4
7.	OPD and pain clinic	2
8.	Paediatric oncology ward	2
9.	Palliative care ward	2
10.	Community oncology	1
11.	Hospice	1
	Total	30

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

Procedures to be observed

1. CT Scan
2. MRI
3. PET Scan(Positron Emission Tomography)
4. Ultra sound
5. Mammography
6. Radio Nuclide Imaging
7. Bone Scan
8. Thyroid Function Test
9. Functional and Metabolic Imaging
10. Transportation of radioactive materials

Procedures to be assisted

1. IV cannulation – Open method
2. Chemotherapy
3. Radiotherapy – Brachytherapy – Low Density Radiation, High Density Radiation.
4. Interstitial implantation
5. Bio-therapy and Gene therapy
6. Teletherapy – Treatment planning
7. Bone marrow aspiration and biopsy
8. Biopsy – tissue
9. FNAC – Fine Needle Aspiration Cytology and biopsy
10. Advance Cardiac life support
11. Endotracheal intubation
12. Defibrillation Ventilation
13. Tracheostomy
14. Thoracentesis
15. Paracentesis
16. Lumbar Puncture

17. Arterial Blood Gas
18. Nerve Block
19. Chest tube insertion
20. Intercostal drainage
21. CVP monitoring

Procedure to be Performed

1. Screening for cancer
2. Assessment of pain
3. Assessment of Nutritional status
4. Care of Tracheostomy
5. Endotracheal intubation
6. Gastric gavage
7. Pap smear
8. IV cannulation
9. Care of surgical flaps
10. Care of ostomies
11. Blood transfusion and component therapy
12. Counseling
13. Practice standard safety measures
14. Care of dead body and mortuary formalities

Other procedures

(As per the institutional protocol):

1. Alternative therapies

Assignments

- Nursing care study -2
- Nursing care analysis -2
- Nursing care plan based on theories -5
- Clinical teaching -5
- Design floor plan of oncology unit

Organise in service education programme for nurses

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2. Price,Pat., etal. *Treatment Of Cancer*.London:Chapman&Hall
3. Roth, Jack A., etal .*Thoracic Oncology*. Philadelphia: W.B.Saunders.
4. Haskell ,Charles M .,*Cancer Treatment* .Philadelphia: W.B.Saunders.
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CLINICAL SPECIALTY – II

MEDICAL SURGICAL NURSING- NEUROSCIENCES NURSING

Placement : II Years

Hours of Instruction

Theory – 150 Hours

Nursing Faculty:-110 hrs

External Faculty:-40hrs

Practical- 1450 Hours

Total : 1600 Hours

Course Description

This course is designed to assist students in developing expertise and indepth knowledge in the field of neurology and neurosurgical Nursing. It will help students to develop advanced skills for nursing intervention in caring for patients with neurological and neurosurgical disorders. It will enable the student to function as neuroscience nurse practitioner/ specialist. It will further enable the student to function as educator, manager and researcher in the field of neurology and neurosurgical Nursing.

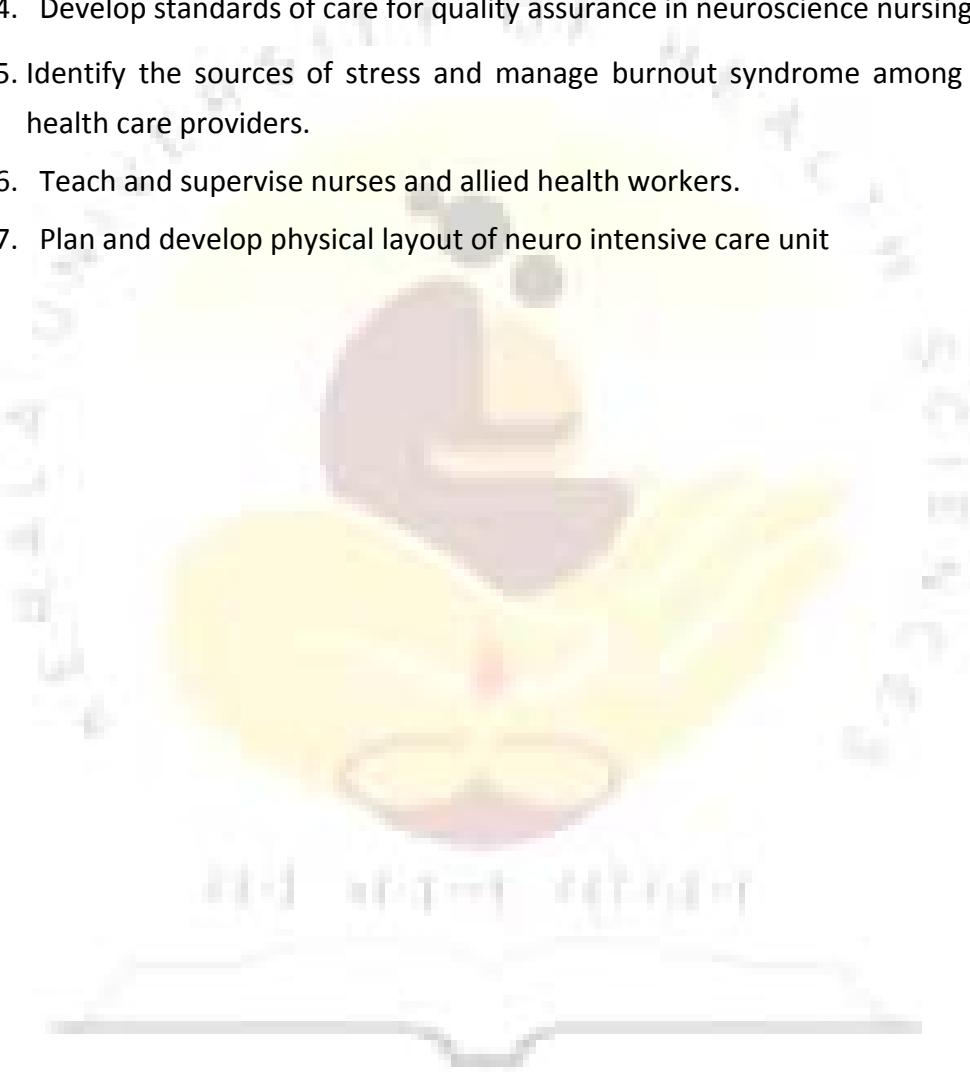
Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to Neurology and Neurosurgical Nursing.
2. Review the anatomy and physiology of Nervous system
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with Neurological and Neurosurgical disorders
4. Perform Neurological assessment and assist in diagnostic procedures
5. Describe the concepts and principles of Neuroscience nursing
6. Describe the various drugs used in neurosciences and nurses responsibility
7. Assist in various therapeutic and surgical procedures in Neuroscience nursing.
8. Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach
9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual, grief and anxiety
10. Participate in preventive, promotive and rehabilitative services for

neurological and neurosurgical patients.

11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing
12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing
13. Organise and conduct inservice education program for nursing personnel.
14. Develop standards of care for quality assurance in neuroscience nursing practice
15. Identify the sources of stress and manage burnout syndrome among health care providers.
16. Teach and supervise nurses and allied health workers.
17. Plan and develop physical layout of neuro intensive care unit



Unit	Hours	Content
I	5	<p>Introduction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction to neuroscience(neurological and neurosurgical) nursing • History-Development in neurological and neurosurgical nursing, Service & education • Emerging trends and issues in neurology and Neurosurgery and its implication to nursing. • Neurological and Neurosurgical problems – • Concepts, principles and nursing perspectives • Ethical and legal issues • Evidence based nursing and its application in Neurological and neurosurgical nursing.
II	5	<p>Epidemiology</p> <ul style="list-style-type: none"> <input type="checkbox"/> Major health problems- <input type="checkbox"/> Risk factors associated with neurological conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations, occupational and infections. <input type="checkbox"/> Health promotion, disease prevention, lifestyle modification and its implications to nursing. <input type="checkbox"/> Alternate system of medicine/complementary therapies
III	10	<p>Review of Anatomy and physiology</p> <ul style="list-style-type: none"> <input type="checkbox"/> Embryology <input type="checkbox"/> Structure and functions of Nervous system- CNS, ANS, cerebral circulation , cranial and spinal nerves and reflexes, motor and sensory functions. <ul style="list-style-type: none"> <input type="checkbox"/> Sensory organs

<p>IV</p>	<p>15 EF4</p>	<p>Assessment and diagnostic measures</p> <ul style="list-style-type: none"> <input type="checkbox"/> Assessment
		<ul style="list-style-type: none"> • History taking • Physical assessment, psychosocial assessment • Neurological assessments, Glasgow coma scale interpretation & its relevance to nursing. • Common assessment abnormalities <input type="checkbox"/> Diagnostic measures • Cerebro spinal fluid analysis • Radiological studies-Skull and spine X-ray Cerebral Angiography, CT Scan, Single Photon Emission Computer Tomography(SPECT), MRI (Magnetic Resonance Imaging), MRA, MRS, Functional MRI, Myelography, PET (Positron Emission Test), Interventional radiology. • Electrographic studies- Electro encephalography, MEG, EMG, video EEG • Nerve conduction studies-Evoked potentials, visual evoked potentials, brain stem auditory evoked potentials, somatosensory evoked potentials • Ultrasound studies-Carotid duplex, transcranial Doppler sonography, • Immunological studies • Biopsies – muscle, nerve and Brain. <p>Interpretation of diagnostic measures Nurse's role in diagnostic tests</p>
<p>V</p>	<p>5</p>	<p>Meeting Nutritional needs of neurological patients</p> <ul style="list-style-type: none"> <input type="checkbox"/> Basic nutritional requirements <input type="checkbox"/> Metabolic changes following injury and starvation <input type="checkbox"/> Nutritional assessment <input type="checkbox"/> Common neurological problems that interfere with nutrition and strategies for meeting their nutritional needs <input type="checkbox"/> Special metabolic and electrolyte imbalances <input type="checkbox"/> Chronic fatigue syndrome

VI	5	Drugs used in neurological and neurosurgical disorders <ul style="list-style-type: none"> <input type="checkbox"/> Classification <input type="checkbox"/> Indications, contraindications, actions and effects, toxic effects Role of nurse
VII	10 EF3	Traumatic conditions. <ul style="list-style-type: none"> <input type="checkbox"/> Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis, Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Review - Cranio cerebral injuries. • Review - Spinal & Spinal cord injuries. • Peripheral nerve injuries. • Unconsciousness
VIII	10 EF3	Cerebro vascular disorders. <ul style="list-style-type: none"> <input type="checkbox"/> Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Review - Stroke Arterio venous thrombosis. <ul style="list-style-type: none"> • Arterio venous fistula. • Review - Brain tumours <input type="checkbox"/> Diseases of cranial nerves; Trigeminal neuralgia, Facial palsy, Bulbar palsy.
IX	10 EF5	Degenerating and demyelinating disorders <ul style="list-style-type: none"> <input type="checkbox"/> Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Motor neuron diseases. • Movement disorders- Tics, dystonia, chorea, wilson's disease,essential tremors • Review - Dementia. • Parkinson's disease. • Multiple sclerosis. • Alzemier's disease

<p>X</p>	<p>10 EF5</p>	<p>Neuro infections</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of Neuro infections <ul style="list-style-type: none"> • Meningitis-types • Encephalitis. • Poliomyelitis. • Parasitic infections. • Bacterial infections • Neurosyphilis. • HIV & AIDS. • Brain abscess.
<p>XI</p>	<p>10 EF2</p>	<p>Paroxysmal disorders.</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnosis, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Review - Epilepsy and seizures. • Status epilepticus. • Syncope. • Menier’s syndrome. • Cephalgia.
<p>XII</p>	<p>10 EF5</p>	<p>Developmental disorders.</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Hydrocephalus. • Craniosynostosis. • spina bifida- Meningocele, Meningomyelocele Encephalocele • syringomyelia. • Cerebro vascular system anomalies. • Cerebral palsies. • Down’s syndrome

<p>XIII</p>	<p>10 EF5</p>	<p>Neuro muscular disorders.</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Polyneuritis – G B Syndrome. • Muscular dystrophy. • Myasthenia gravis. • Trigeminal neuralgia. • Bell’s palsy. • Menier’s disease • Carpal tunnel syndrome • Peripheral neuropathies
<p>XIV</p>	<p>5 EF2</p>	<p>Neoplasms – surgical conditions.</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Space occupying lesions –types • Review - Common tumors of CNS
<p>XV</p>	<p>5</p>	<p>Other disorders</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> □ Metabolic disorders- diabetes insipidus, metabolic Encephalopathy □ Sleep disorders □ Auto immune disorders- multiple sclerosis, inflammatory Myopathies
<p>XVI</p>	<p>10 EF4</p>	<p>Neuro emergencies</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, Clinical types, Clinical features, diagnostics, Prognosis , Management: medical, surgical and Nursing management of <ul style="list-style-type: none"> • Increased intracranial pressure , Unconsciousness

		<ul style="list-style-type: none"> • Herniation syndrome • Seizures • Severe head injuries • Spinal injuries • Cerebro vascular accidents
XVII	5 EF2	<p>Rehabilitation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and Principles of Rehabilitation. <input type="checkbox"/> Factors affecting quality of life and coping <input type="checkbox"/> Rehabilitation in acute care setting, and following stroke, head injury and degenerative disorders of brain <input type="checkbox"/> Physiotherapy. <input type="checkbox"/> Counselling <input type="checkbox"/> Care giver's role <p>Speech & Language. Neurogenic communication disorders, Speech Therapy</p>
XVIII	5	<p>Ethical and legal issues in neuroscience nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brain death and organ transplantation <input type="checkbox"/> Euthanasia <input type="checkbox"/> Negligence and malpractice <input type="checkbox"/> Nosocomial infections
XIX	5	<p>Quality assurance in neurological nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Role of advance practitioner in neurological nursing <input type="checkbox"/> Professional practice standards <input type="checkbox"/> Quality control in neurologic nursing <input type="checkbox"/> Nursing audit <input type="checkbox"/> Neuro ICU <ul style="list-style-type: none"> • Philosophy, aims and objectives • Policies, staffing pattern, design and physical plan of neuro ICU • Team approach, functions • Psychosocial aspects in relation to staff and clients of neuro ICU <input type="checkbox"/> In-service education.

Practical

Total =1450 Hours

1 Week = 48 Hours

SL.No	Dept/ Unit	Weeks
1.	O.P.D	1
2.	Casualty	2
3.	Diagnostics	1
4.	Neuro Psychiatry	2
5.	Pediatric Neuro ward	2
6.	Neuro Surgical Ward	3
7.	Head Injury Ward	3
8.	I.C.U Nero Medicine	4
9	I.C.U Nero Surgical	4
10	Neuro Medical Ward	4
11	Rehabilitation	2
12	OT	2
	Total	30

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

ESSENTIAL NEURO NURSING SKILLS

I. Procedures to be observed

1. CT scan
2. MRI
3. PET
4. EEG
5. EMG
6. Sleep pattern studies/Therapy
7. Radiographical studies
8. Neuro surgeries
9. Nerve conduction studies
10. Ultrasound studies

II. Procedures to be assisted

1. Advanced Cardiac life support
2. Lumbar Puncture
3. Biopsies – muscle, nerve and Brain
4. Arterial Blood Gas
5. ECG Recording
6. Blood transfusion
7. IV cannulation – open method
8. Endotracheal intubation
9. Ventilation
10. Tracheostomy
11. ICP monitoring
12. Gama Knife
13. Cerebral angiography
14. Myelography
15. Neuro surgeries

III. Procedures to be Performed:

1. Airway management
 - a. Application of Oro Pharyngeal Airway
 - b. Care of Tracheostomy
 - c. Conduct Endotracheal Intubation

- d. use of AMBU bag, artificial respirators
- e. Setting of Ventilators and Care of patients on ventilators
2. Cardio Pulmonary Resuscitation -Defibrillation
3. Neurological assessment -Glasgow coma scale
4. Gastric Lavage
5. IV Cannulation
6. Administration of emergency IV Drugs, fluid
7. Care of patients with incontinence, bladder training ,Catheterization
8. Care of patients on traction related to the neurological conditions
9. Blood Administration.
10. Muscle strengthening exercises
11. Guidance and counseling
12. Monitoring – management and care of monitors.

IV. Other Procedures if any:

Assignments

- Nursing care study -2
- Nursing care analysis -2
- Nursing care plan based on theories -5
- Clinical teaching -5
- Design floor plan of neurosurgery unit
- Organise in service education programme for nurses

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CLINICAL SPECIALTY – II

MEDICAL SURGICAL NURSING- NEPHRO-UROLOGY NURSING

Placement : II Year

Hour of Instruction

Theory : 150 Hours

Nursing Faculty:-105hrs

External Faculty:-45hrs

Practical : 1450 Hours

Total : 1600 Hours

Course Description

This course is designed to assist students in developing expertise and indepth understanding in the field of Nephro and urological Nursing. It will help students to develop advanced skills for nursing intervention in various nephro and urological conditions. It will enable the student to function as nephro and urology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of nephro and urology nursing

Objectives

At the end of the course the students will be able to:

1. Appreciate trends and issues related to nephro and urological nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions
3. Perform physical, psychosocial & spiritual assessment.
4. Assist in various diagnostic, therapeutic and surgical interventions.
5. Provide comprehensive nursing care to patients with nephro and rological conditions.
6. Describe the various drugs used in nephro and urological conditions and nurses responsibility.
7. Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions.
8. Appreciate team work & coordinate activities related to patient care.

9. Practice infection control measures.
10. Identify emergencies and complications & take appropriate measures.
11. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
12. Discuss the legal and ethical issues in nephro and urological nursing
13. Identify the sources of stress and manage burnout syndrome among health care providers.
14. Appreciate the role of alternative system of medicine in the care of patient.
15. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing.
16. Teach and supervise nurses and allied health workers.
17. Design a layout of kidney transplant unit and dialysis unit.
18. Develop standards of nephro urological nursing practice.

COURSE CONTENT

Unit	Hours	Content
I	5	<p>Introduction</p> <ul style="list-style-type: none"> □ Historical development: trends and issues in the field of nephro and urological nursing. □ Nephro and urological problems □ Concepts, principles & nursing perspectives, Ethical and legal issues □ Evidence based nursing and its application in nephro & urological nursing (to be incorporated in all the units)
II	5	<p>Epidemiology</p> <ul style="list-style-type: none"> □ Major health problems- urinary dysfunction, urinary tract infections, Glomerular disorders, obstructive disorders and other urinary disorders. □ Risk factors associated with nephro and urological conditions - Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations.

		<ul style="list-style-type: none"> □ Health promotion, disease prevention, life style modification and its implications to nursing. □ Alternate system of medicine/complementary therapies
III	5	<p>Review of anatomy and physiology of urinary system</p> <ul style="list-style-type: none"> □ Embryology □ Structure and functions □ Renal circulation □ Physiology of urine formation □ Fluid and electrolyte balance □ Acid base balance □ Immunology specific to kidney
IV	20 EF12	<p>Assessment and diagnostic measures</p> <ul style="list-style-type: none"> □ History taking □ Physical assessment, psychosocial assessment □ Common assessment abnormalities-dysuria, frequency, enuresis, urgency, hesitancy, hematuria, pain, retention, burning on urination, pneumaturia, incontinence, nocturia, polyuria, anuria, oliguria, □ Diagnostic tests-urine studies,blood chemistry, radiological procedures-KUB,IVP, CT scan nephrotomogram,retrograde pyelogram, renal arteriogram, renalultrasound, , MRI, cystogram, renal scan, biopsy, endoscopy-cystoscopy, urodynamics studies-cystometrogram, urinary flow study, sphincter electromyography, voiding pressure flow study, Video urodynamics, Whitaker study. Interpretation of diagnostic measures. □ Nurse's role in diagnostic tests.
V	5 EF5	<p>Renal immunopathy/Immunopathology</p> <ul style="list-style-type: none"> □ General Concept of immunopathology. □ Immune mechanism of glomerular vascular disease. □ Role of mediator systems in glomerular vascular disease.

<p>VI</p>	<p>20 EF5</p>	<p>Urological Disorders and Nursing Management</p> <ul style="list-style-type: none"> <input type="checkbox"/> Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical & nursing management of urological disorders <input type="checkbox"/> Review - Urinary tract infections- pyelonephritis, lower urinary tract infections. <input type="checkbox"/> Disorders for ureters, bladder and urethra. <input type="checkbox"/> Urinary tract infections. <input type="checkbox"/> Urinary dysfunctions- urinary retention, urinary incontinence, urinary reflux. <input type="checkbox"/> Bladder disorders- neoplasms, calculi, neurogenic bladder, trauma, congenital abnormalities. <input type="checkbox"/> Review - Benign prostrate hypertrophy (BPH). <input type="checkbox"/> Ureteral disorders: ureteritis, ureteral trauma, congenital anomalies of ureters. <input type="checkbox"/> Urethral disorders- tumours, trauma, congenital anomalies of ureters.
<p>VII</p>	<p>25 EF5</p>	<p>Glomerular disorders and nursing management</p> <ul style="list-style-type: none"> <input type="checkbox"/> Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of <input type="checkbox"/> Review - Glomerulo nephritis- chronic, acute, nephrotic syndrome. <input type="checkbox"/> Acute Renal failure and chronic renal failure. <input type="checkbox"/> Renal calculi. <input type="checkbox"/> Renal tumours- benign and malignant. <input type="checkbox"/> Renal trauma. <input type="checkbox"/> Renal abscess. <input type="checkbox"/> Diabetic nephropathy. <input type="checkbox"/> Vascular disorders. <input type="checkbox"/> Renal tuberculosis. <input type="checkbox"/> Polycystic. <input type="checkbox"/> Congenital disorders. <input type="checkbox"/> Hereditary renal disorders. <input type="checkbox"/> Neurogenic bladder
<p>VIII</p>	<p>10 EF4</p>	<p>Management of Renal emergencies</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anuria <input type="checkbox"/> Acute Renal failure <input type="checkbox"/> Poisoning

		<ul style="list-style-type: none"> <input type="checkbox"/> Trauma <input type="checkbox"/> Urine retention <input type="checkbox"/> Acute graft rejection <input type="checkbox"/> Hematuria <input type="checkbox"/> Nurse's role
1X	10	Drugs used in urinary disorders <ul style="list-style-type: none"> <input type="checkbox"/> Classification <input type="checkbox"/> Indications, contraindications, actions & effects, toxic effects <input type="checkbox"/> Role of nurse.
X	10 EF4	Dialysis <ul style="list-style-type: none"> <input type="checkbox"/> Dialysis- Historical, types, Principles, goals <ul style="list-style-type: none"> • Hemodialysis- vascular access sites- temporary and permanent • Peritoneal dialysis <input type="checkbox"/> Dialysis Procedures- steps, equipments, maintenance. <input type="checkbox"/> Role of nurse – pre dialysis, intra and post dialysis, <input type="checkbox"/> Complications <input type="checkbox"/> Counseling <input type="checkbox"/> Patient education <input type="checkbox"/> Records and reports.
XI	10 EF6	Kidney transplantation <ul style="list-style-type: none"> <input type="checkbox"/> Nursing management of a patient with kidney transplantation <input type="checkbox"/> Kidney transplantations- a historical review <input type="checkbox"/> Immunology of graft rejections <input type="checkbox"/> The recipient of a renal transplant <input type="checkbox"/> Renal preservations. <input type="checkbox"/> Human Leucocytic Antigen(HLA) typing matching and cross matching in renal transplantation <input type="checkbox"/> Surgical techniques of renal transplantations. <input type="checkbox"/> Chronic renal transplant rejection <input type="checkbox"/> Complication after KTP: Vascular and lymphatic, Urological, cardiovascular, liver and neurological, infectious complication.

		<ul style="list-style-type: none"> □ KTP in children and management of pediatric patient with KTP □ KTP in developing countries □ Results of KTP □ Work up of donor and recipient for renal transplant □ Psychological aspect of KTP and organ donations □ Ethics in transplants, Cadaveric transplantation.
XII	5	Rehabilitation of patient with nephrological problems <ul style="list-style-type: none"> □ Risk factors and prevention. □ Rehabilitation of patients on dialysis and after kidney transplant □ Rehabilitation of patients after urinary diversions □ Family and patient teaching
XIII	10 EF4	Pediatric urinary disorders <ul style="list-style-type: none"> □ Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical, surgical and nursing management of children with Renal Diseases -UTI, ureteral reflux, glomerulonephritis, nephrotic syndrome infantile nephrosis, cystic kidneys, familial factors in renal diseases in childhood, Haemolytic uraemic syndrome. Benign recurrent haematuria, nephropathy, wilms tumour.
XIV	5	Critical care units- dialysis , KTP unit <ul style="list-style-type: none"> □ Philosophy, aims and objectives □ Policies, staffing pattern, design and physical plan of Dialysis and KTP units, □ Team approach, functions, □ Psychosocial aspects in relation to staff and clients of ICU, dialysis unit, □ In-service education, □ Ethical and legal issues.
XV	5	Quality assurance in nephrological nursing practice <ul style="list-style-type: none"> □ Role of advance practitioner in nephrological nursing. □ Professional practice standards

- Quality control in nephrological nursing
- Nursing audit.

Practicals

Total = 1450 Hours

1 Week = 48 Hours

SL.No	Dept/Unit	Weeks	Hours
1.	Nephrology Ward	6	288
2.	Pediatrics	2	96
3.	Critical Care Unit	2	96
4.	Urology Ward	6	288
5.	Dialysis Unit	4	192
6.	Kidney Transplantation Unit	2	96
7	Uro OT	2	96
8.	Emergency Wards	2	96
9	Uro/ Nephro OPDs	3	144
10	Diagnostic Labs	1	40
	Total	30	1450

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

Procedures to be observed

I. Procedures Observed

1. CT Scan
2. MRI
3. Radiographic studies
4. Urodynamics
5. Hemodialysis
6. Renal Surgeries

II. Procedures to be assisted

1. Blood transfusion
2. I V cannulation therapy
3. Arterial Catheterization
4. Insertion of central line/cvp line
5. Connecting lines for dialysis
6. Peritoneal dialysis
7. Renal biopsy
8. Endoscopies- Bladder, urethra

III. Procedures to be performed

1. Health assessment
2. Insertion of urethral and suprapubic catheters
3. Urine analysis
4. Catheterisation
5. Peritoneal dialysis
6. Bladder irrigation
7. Care of ostomies
8. Care of urinary drainage
9. Bladder training
10. Care of vascular access
11. Setting up dialysis machine and starting, monitoring and closing dialysis

12. Procedures for prevention of infections:
13. Hand washing, disinfection & sterilization surveillance, fumigation and universal precautions.
14. Collection of specimen.
15. Administration of drugs: IM, IV injection, IV cannulation & fixation of infusion pump, calculation of dosages, blood administration. Monitoring -fluid therapy, electrolyte imbalance.
16. Nutritional needs , diet therapy & patient education.
17. Counselling

IV. OTHER PROCEDURES IF ANY:

Assignments

- Nursing care study -2
- Nursing care analysis -2
- Nursing care plan based on theories -5
- Clinical teaching -5
- Design floor plan of transplantation unit
- Organise in service education programme for nurses

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- National and international journals in Nursing practice, Nursing education, Nursing research, Nephro-urology, Nursing management, Continuing Nursing education and Nursing.

CLINICAL SPECIALTY – II

MEDICAL SURGICAL NURSING - ORTHOPEDIC NURSING

Placement : II Year

Hours of Instruction

Theory : 150 Hours

Nursing Faculty:- 110hrs

External Faculty:- 40hrs

Practical :1450 Hours

Total : 1600 Hours

Course Description

This course is designed to assist students in developing expertise and indepth understanding in the field of orthopedic nursing. It will help students to develop advanced skills for nursing intervention in various orthopedic conditions. It will enable the student to function as orthopedic nurse practitioner/specialist providing quality care. It will further enable the student to function as educator, manager, and researcher in the field of orthopedic nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the history and developments in the field of orthopedic nursing
2. Identify the psycho-social needs of the patient while providing holistic care.
3. Perform physical and psychological assessment of patients with orthopedic conditions and disabilities.
4. Describe various disease conditions and their management
5. Discuss various diagnostic tests required in orthopedic conditions
6. Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation.
7. Recognize and manage orthopedic emergencies.
8. Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation.
9. Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions.
10. Counsel the patients and their families with orthopedic conditions
11. Describe various orthotic and prosthetic appliances

12. Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring rehabilitation.
13. Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
14. Incorporate evidence based nursing practice and identify the areas of research in the field of orthopedic nursing.
15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
16. Teach orthopedic nursing to undergraduate students and in-service nurses.
17. Prepare a design and layout of orthopedic and rehabilitative units.

COURSE CONTENT

UNIT	HOURS	CONTENT
I	5	<p>Introduction</p> <ul style="list-style-type: none"> □ Historical perspectives – History and trends in orthopedic nursing □ Definition and scope of orthopedic nursing □ Anatomy and physiology of Musculo-skeletal system <p>Posture, Body landmarks Skeletal system, Muscular system, Nervous system - Main nerves</p> <ul style="list-style-type: none"> □ Healing of - Injury, bone injury, Repair of ligaments <p>Systemic response to injury</p> <p>Ergonomics, Body mechanics, biomechanical measures</p> <p>Orthopedic team</p>
II	8 (EF2)	<p>Assessment of Orthopedic Patient</p> <ul style="list-style-type: none"> □ Health Assessment: History, physical examination- inspection, palpation, movement, Measurement, muscle strength testing. □ Diagnostic studies – Radiological studies, Muscle enzymes, serologic studies.
III	10 EF3	<p>Care of patients with devices</p> <ul style="list-style-type: none"> □ Splints, braces, various types of plaster cast □ Various types of tractions, □ Various types of orthopedic beds and mattresses

<p>IV</p> <p>15</p> <p>EF5</p> <p>of :</p>		<ul style="list-style-type: none"> □ Comfort devices □ Implants in orthopedics □ Prosthetics and Orthotics <p>Injuries</p> <p>Trauma & Injuries</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, management, medical surgical and nursing management <ul style="list-style-type: none"> • Early management of Trauma • Review - Fractures • Injuries of the Shoulder and arm, Elbow, fore arm, wrist, hand , Hip, thigh, knee, leg, ankle, foot, Spine. <ul style="list-style-type: none"> □ Review - Head injury □ Chest injury. <ul style="list-style-type: none"> • Polytrauma • Nerve injuries • Vascular injuries • Soft tissue injuries • Sports injuries • Amputation
<p>V</p> <p>8</p> <p>EF3</p>		<p>Infections of Bones and Joints</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical, surgical and nursing management of : <ul style="list-style-type: none"> • Tuberculosis • Osteomyelitis • Review - Arthritis • Leprosy
<p>V1</p> <p>5</p> <p>EF2</p>		<ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, <p>Bone Tumours</p> <p>Prognosis, medical ,surgical and nursing management of:</p>

<p>VII</p>	<p>10</p> <p>EF5</p>	<ul style="list-style-type: none"> • Bone tumors – Benign, Malignant and metastatic • Different types of therapies for tumors <p>Deformities</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis – medical surgical and nursing management of: Scoliosis, Kyphosis, Lordosis □ Congenital disorders: Congenital dislocation of hip (CDH), Dislocation of patella, knee. □ Varus and valgus deformities. □ Deformities of digits, Congenital torticollis □ Meningocele, meningocele, spina bifida □ Chromosomal disorders, Computer related deformities.
<p>VIII</p>	<p>5</p> <p>EF2</p>	<p>Disorders of the spine</p> <ul style="list-style-type: none"> □ Intervertebral disc prolapse, Fracture of the spine □ Low back disorder – Low back pain, PND, spinal stenosis, spondylosis
<p>IX</p>	<p>5</p> <p>EF2</p>	<p>Nutritional/Metabolic and Endocrine Disorders</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical surgical and nursing management of: <ul style="list-style-type: none"> • Rickets, • Scurvy, • Hypervitaminosis A and D, • Review - Osteomalacia, • Review - Osteoporosis • Paget's disease, • Gout • Gigantism, Dwarfism, Acromegaly. • Therapeutic diets for various orthopedic disorders.
<p>X</p>	<p>8</p> <p>EF3</p>	<p>Neuro-Muscular Disorders:</p> <ul style="list-style-type: none"> □ Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical, surgical and nursing management of: <ul style="list-style-type: none"> • Poliomyelitis, Cerebral Palsy • Myasthenia gravis

- Spina bifida.
- Peripheral nerve lesion,
- Paraplegia, Hemiplegia, Quadriplegia.
- Muscular dystrophy

XI	8	Chronic/Degenerative Diseases of Joints and Autoimmune Disorders:
	EF3	<input type="checkbox"/> Causes, pathophysiology, clinical types, clinical features, diagnosis, prognosis, medical, surgical and nursing management of: <ul style="list-style-type: none"> • Osteo Arthritis • Rheumatoid Arthritis • Ankylosing spondylitis. • Spinal disorders. • Review - Systemic Lupus Erythematosus
XII	5	Orthopedic Disorders in Children:
	EF2	<input type="checkbox"/> General and special consideration on pediatric Orthopedics <ul style="list-style-type: none"> <input type="checkbox"/> Genetic disorders <input type="checkbox"/> Congenital anomalies <input type="checkbox"/> Growth disorders <input type="checkbox"/> Genetic counseling
XIII	5	Geriatric Problems
		<input type="checkbox"/> Nurses role in genetic counseling <ul style="list-style-type: none"> <input type="checkbox"/> Geriatric population, types of disabilities, causes, treatment and management – Hospitalization, rest, physiotherapy, involvement of family members, social opportunities. <input type="checkbox"/> Care at home – involvement of family and community, follow up care and rehabilitation
XIV	6	Pharmacokinetics
		<input type="checkbox"/> Principles of drug administration <ul style="list-style-type: none"> <input type="checkbox"/> Analgesics and anti inflammatory agents <input type="checkbox"/> Antibiotics, Antiseptics <input type="checkbox"/> Drugs used in orthopedics & neuromuscular disorders <input type="checkbox"/> Blood and blood components <input type="checkbox"/> Care of drugs and nurses ro

XV 30
EF8

Nurses Role in Orthopedic Conditions

- Gait analysis
- Urodynamic studies
- Prevention of physical deformities
- Alteration of body temperature regulatory system and immune systems
- Immobilization – cast, splints, braces and tractions
- Prevention and care of problems related to immobility
- Altered sleep patterns
- Impaired communication
- Self care and activities of daily living
- Bladder and bowel rehabilitation
- Sensory function rehabilitation
- Psychological reaction related to disabilities & disorders.
- Coping of individual & family with disabilities and disorders
- Maintaining sexuality
- Spirituality – A rehabilitative prospective

Orthopedic Reconstructive Surgeries

- ▣ Replacement surgeries – Hip, Knee, Shoulder, Spine surgeries, Grafts & flaps surgery, Deformity correction.
- ▣ Concepts, Principles, purpose
 - Mobilization – Exercises: types, re-education in walking: Crutch walking, wheel chair, Transfer techniques.
 - Types of gaits: Non-weight bearing, partial weight bearing, four point crutch, tripod, walking with sticks, calipers
 - Forms of therapies: Hydrotherapy, electrotherapy, wax bath, heat therapy, ice, helio therapy, radiant heat.
 - Chest physiotherapy

Physiotherapy



XVI	8	<p>Rehabilitation</p> <ul style="list-style-type: none"> □ Principles of rehabilitation, definition, philosophy, process □ Various types of therapies, Special therapies and alternative therapies □ Rehabilitation counseling □ Preventive and restorative measures. □ Community based rehabilitation (CBR) □ Challenges in rehabilitation □ Role of the nurse in rehabilitation. □ Legal and ethical issues in rehabilitation nursing □ Occupational therapy.
XVII	5	<p>National Policies and Programmes</p> <ul style="list-style-type: none"> □ National programmes for rehabilitation of persons with disability - National Institutes, artificial limbs manufacturing corporation, District rehabilitation centers and their schemes, Regional rehabilitation centers etc. □ Public policy in rehabilitation nursing □ The persons with disabilities act 1995 □ Mental rehabilitation & Multiple disabilities act 1992 □ The National Trust Rules 1999 and 2000 □ Rehabilitation Council of India □ Legal and ethical aspects in orthopedic nursing □ Rehabilitation health team and different categories of team members.
XVIII	4	<p>Quality assurance</p> <p>Standards, Protocols, Policies, Procedures, Nursing audit, Staffing, Design of orthopedic, physiotherapy and rehabilitation unit.</p>

Practicals

1. Clinical practice in Orthopedic, physiotherapy & rehabilitation units.
2. Application of tractions and plaster casts and removal of tractions and plaster casts and other appliances.
3. Apply Theories and Nursing Process in the management of patients with orthopedic conditions.
4. Provide various types of physical and rehabilitative therapies
5. Provide health education on related disease conditions.
6. Unit management and plan – designing

Clinical Experience

Total = 1450 Hours

1 Week =48 Hours

SL.NO	Dept/ Unit	Weeks
1.	Orthopedic Ward	8
2	Orthopedic OT	4
3	Neuro Surgical Ward	2
4	Orthopedic O.P.D	2
5	Casualty/ Emergency/ Trauma	4
6	Rehabilitation Unit	2
7	Physiotherapy Unit	4
8	Pediatric/ pediatric Surgery Unit	2
9	Field Visit	2
	Total	30

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper – 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

Procedures to be observed

1. X Ray
2. Ultrasound
3. MRI
4. C T Scan/bone scan

5. Arthroscopy
6. Electrothermally – assisted capsule shift or ETAC (Thermal capsulorrhaphy)
7. Fluoroscopy
8. Electromyography
9. Myelography
10. Discography
11. Others

Procedures to be assisted

1. Blood Transfusion
2. IV cannulation and therapy
3. Ventilation
4. Various types of tractions
5. Orthopedic surgeries- Arthrocentesis, Arthroscopy, Bone lengthening, Arthrodesis, grafting, Fractures fixation, reconstructive, reimplantation, replanation, spinal decompression, transplantation of bone, muscle or articular cartilage, autografting, allografting.
6. Injection – Intra articular, intra osseous.
7. Advance Life Support

Procedures to be Performed

1. Interpretation of X ray films.
2. Application and removal of splints, casts, and braces.
3. Care of tractions – skin and skeletal traction, pin site care.
4. Cold therapy.
5. Heat therapy
6. Hydrotherapy
7. Therapeutic exercises

8. Use of TENS (Transcutaneous electrical nerve stimulation)
9. Techniques of transportation
10. Crutch walking, walkers, wheel chair.
11. Use of devices for activities of daily living and prevention of deformities.
12. Administration of drugs: IV injection, IV cannulation, and Blood transfusion.
13. Procedures for prevention of infections: disinfection and sterilization, surveillance, fumigation.
14. Special skin/ part preparations for orthopedic surgeries.
15. Surgical dressings – Debridement.
16. Bladder and bowel training

Other Procedures if any.

Assignments

- Nursing care study -2
- Nursing care analysis -2
- Nursing care plan based on theories -5
- Clinical teaching -5
- Design floor plan of orthopaedic unit
- Organise in service education programme for nurses

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- National and international journals in Nursing practice, Nursing education, nursing research, Orthopedic Nursing, Nursing management, Continuing Nursing education and Nursing



CLINICAL SPECIALTY - II

MEDICAL SURGICAL NURSING - GASTRO ENTEROLOGY NURSING

Placement : II Year

Hours of Instruction

Theory : 150 hrs.

Nursing Faculty:-120hrs

External Faculty:-30hrs

Practical : 1450 hrs.

Total : 1600 hrs.

Course Description

This course is designed to assist students in developing expertise and in-depth understanding in the field of gastro enterology Nursing. It will help students to develop advanced skills for nursing intervention in various gastro enterology conditions. It will enable the student to function as gastro enterology nurse practitioner/specialist and provide quality care. It will further enable the student to function as educator, manager, and researcher in the field of gastro enterology nursing.

Objectives

At the end of the course the students will be able to

1. Appreciate trends and issues related to gastro enterology Nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions.
3. Participate in national health programmes for health promotion, prevention and rehabilitation of patients with gastrointestinal conditions.
4. Perform physical, psychosocial & spiritual assessment.
5. Assist in various diagnostic, therapeutic and surgical procedures.
6. Provide comprehensive care to patients with gastrointestinal conditions.
7. Describe the various drugs used in gastrointestinal conditions and nurses responsibility.
8. Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions.

9. Appreciate team work & coordinate activities related to patient care.
10. Practice infection control measures.
11. Identify emergencies and complications & take appropriate measures.
12. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.
13. Discuss the legal and ethical issues in Gastro Enterology nursing.
14. Identify the sources of stress and manage burnout syndrome among health care providers.
15. Appreciate the role of alternative system of medicine in care of patient.
16. Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of Gastro enterology intensive care unit (GEICU) , liver care/transplant unit.

Course Content

UNIT	HOURS	CONTENT
I	5	Introduction <ul style="list-style-type: none"> <input type="checkbox"/> Historical development: trends and issues in the field of gastroenterology. <input type="checkbox"/> Gastro enterological problems <input type="checkbox"/> Concepts, principles and nursing perspectives <input type="checkbox"/> Ethical and legal issues <input type="checkbox"/> Evidence based nursing and its application in gastrointestinal nursing(to be incorporated in all the units)
II	5	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Risk factors associated with GE conditions- Hereditary, Psychosocial factors, smoking, alcoholism, dietary habits, cultural and ethnic considerations. <input type="checkbox"/> Health promotion, disease prevention, life style modification and its implications to nursing. <input type="checkbox"/> National health programmes related to gastro enterology. <input type="checkbox"/> Alternate system of medicine/complementary therapies.
III	5	Review of anatomy and physiology of gastrointestinal system <ul style="list-style-type: none"> <input type="checkbox"/> Gastrointestinal system <input type="checkbox"/> Liver, biliary and pancreas <input type="checkbox"/> Embryology of GI system Immunology specific to GI system.

IV 15 Assessment and diagnostic measures

EF5

- History taking
- Physical assessment, psychosocial assessment
- Diagnostic tests
 - Radiological studies: Upper GIT- barium swallow, lower GIT- Barium enema,
 - Ultra sound:
 - Computed tomography
 - MRI
 - Cholangiography:
 - Percutaneous transhepatic Cholangiogram(PTC)
 - Magnetic Resonance Cholangio pancreatography (MRCP)
 - Nuclear imaging scans(scintigraphy)
 - Endoscopy
 - Colonoscopy
 - Proctosigmoidoscopy
 - Endoscopic Retrograde Cholangiopancreatography (ERCP)
 - Endoscopic ultrasound
 - Peritoneoscopy(Laproscopy)
 - Gastric emptying studies
 - Blood chemistries: Serum amylase, serum lipase
 - Liver biopsy
 - Miscellaneous tests: Gastric analysis, fecal analysis
 - Liver function tests: Bile formation and excretion, dye excretion test, Protein metabolism, haemostatic functions- prothrombin, vitamin K production, serum enzyme tests, Lipid metabolism- serum

Cholesterol Interpretation of diagnostic measures

Nurse's role in diagnostic tests

V	25 EF10	<p>Gastro intestinal disorders and nursing management</p> <ul style="list-style-type: none"> □ Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of <ul style="list-style-type: none"> □ Disorders of the mouth: Dental caries, Peridontal disease, Acute tooth infection, Stomatitis, Thrush (moniliasis),Gingivitis, Leukoplakia, Inflammation of the parotid gland, Obstruction to the flow of saliva, Fracture of the jaw. □ Disorders of the oesophagus: Reflux oesophagitis, Oesophageal achalasia, Oesophageal varices, Hiatus hernia, Diverticulum. □ Disorders of the stomach and duodenum: Gastritis, Dumping of the stomach, Food poisoning, idiopathic gastroparesis, Aerophagia and belching syndrome, Ideopathic cyclic nausea and vomiting, Rumination syndrome, Functional dyspepsia, Chronic on specific (functional) abdominal pain. Review -Peptic ulcer □ Disorders of the small intestine <ul style="list-style-type: none"> - Malabsorption syndrome – tropical sprue - Gluten – sensitive enteropathy (Coeliac disease) - Inflammatory diseases of intestines and abdomen,: appendicitis, Peritonitis, Abdominal TB, Gastrointestinal polyposis syndrome - Review - Chronic inflammatory bowel disease, Ulcerative colitis, crohn’s disease - Infestations and infections – Worm infestations, Typhoid, Leptospirosis - Solitary rectal ulcer syndrome - Alteration in bowel elimination (diarrhoea, constipation, fecal impaction, fecal incontinence, Irritable bowel syndrome, Chronic idiopathic
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		<p>constipation, Functional diarrhea Review - Intestinal obstruction,</p> <p>Anorectal Conditions: Hemorrhoids, Anal fissure, Anal fistula, Abscess, Strictures, Rectal prolapse, Pruritisani, Pilonidal disease, Anal condylomas, Warts</p>
VI	15	<p>Disorder of liver, pancreas gall bladder and nursing management</p> <ul style="list-style-type: none"> <input type="checkbox"/> Disorders of liver biliary tract <input type="checkbox"/> Review - Viral Hepatitis – A, B, C, D & E <input type="checkbox"/> Toxic hepatitis <ul style="list-style-type: none"> • Cirrhosis of liver, liver failure, Liver transplantation • Non cirrhotic portal fibrosis <ul style="list-style-type: none"> • Liver abscess,; • Parasitic and other cysts of the liver • Disorders of the Gall Bladder and Bile Duct: <ul style="list-style-type: none"> • Cholecystitis, Cholelithiasis and Choledocholithiasis • Disorders of the pancreas: Pancreatitis, Benign tumors of islet cells • Disorders of the Peritoneum. <ul style="list-style-type: none"> - Infections of the peritoneum <ul style="list-style-type: none"> - Surgical peritonitis - Spontaneous bacterial peritonitis - Tuberculosis peritonitis • Disorders of the Diaphragm. <ul style="list-style-type: none"> - Diaphragmatic hernia - Congenital hernias - Paralysis of diaphragm - Tumors of the diaphragm - Hiccups
VII	15 EF5	<p>Gastro intestinal emergencies and nursing interventions</p> <ul style="list-style-type: none"> • Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical and nursing management of:

		<ul style="list-style-type: none"> • Esophageal varices • Ulcer perforation • Acute cholecystitis • Diverticulitis • Fulminant hepatic failure • Biliary obstruction • Bowel obstruction • Gastroenteritis • Intussusception • Acute intestinal obstruction, perforation • Review - Acute pancreatitis • Cirrhosis of liver complications • Liver , spleen, stomach pancreatic, mesenteric, bowel and greater vessel injuries • Acute appendicitis /peritonitis • Acute abdomen • Food poisoning
VIII	15 EF5	<ul style="list-style-type: none"> o Congenital Anomalies of Esophagus <ul style="list-style-type: none"> • Esophageal atresia • Tracheoesophageal fistula • Esophageal stenosis • Esophageal duplications • Dysphagia – Lusoria – aberrant right subclavian artery compressing esophagus • Esophageal rings – schalzki ring • Esophageal webs o Congenital Anomalies of Stomach <ul style="list-style-type: none"> • Gastric atresia • Micro gastia • Gastric diverticulum • Gastric duplication • Gastric teratoma • Gastric volvulus

		<ul style="list-style-type: none"> • Infantile hypertrophic pyloric stenosis • Adult hypertrophic pyloric stenosis o Congenital Anomalies of Duodenum <ul style="list-style-type: none"> • Duodenal Atresia or stenosis • Annular pancreas • Duodenal duplication cysts • Malrotation and mid gut volvulus o Developmental anomalies of the intestine: <ul style="list-style-type: none"> • Abdominal wall defects (omphalocele and Gastroschisis) • Meckel's diverticulum • Intestinal atresia o Hirschsprung's disease
IX	15	Pharmaco Kinetics <ul style="list-style-type: none"> <input type="checkbox"/> Drugs used in GIT <input type="checkbox"/> Principles of administration <input type="checkbox"/> Roles responsibilities of nurses <input type="checkbox"/> Drugs in Peptic ulcer disease <input type="checkbox"/> Proton Pump inhibitors <input type="checkbox"/> H2 Receptor Antagonists <input type="checkbox"/> Cytoprotective Agents <input type="checkbox"/> Drugs used in Diarrhea <input type="checkbox"/> Drugs used in constipation <input type="checkbox"/> Drugs used in Inflammatory Bowel Disease, <input type="checkbox"/> Aminosalicylates <input type="checkbox"/> Corticosteroids <input type="checkbox"/> Immunomodulators <input type="checkbox"/> Chemotherapy <input type="checkbox"/> Antibiotics <input type="checkbox"/> Antiemetics <input type="checkbox"/> Anticholinergics <input type="checkbox"/> Antihistaminics , <input type="checkbox"/> Anthelminthics <input type="checkbox"/> Vitamin Supplements.
X	10	Nutrition and nutritional problems related to GI system <ul style="list-style-type: none"> <input type="checkbox"/> Nutritional assessment and nursing interventions

		<ul style="list-style-type: none"> □ Therapeutic diets □ Adverse reactions between drugs and various foods. □ Malnutrition- etiology , clinical manifestations and management □ Tube feeding, parenteral nutrition, total parenteral nutrition □ Obesity- etiology, clinical manifestations and management □ Eating disorders- anorexia nervosa, bulimia nervosa □ Recent advances in nutrition
XI	15 EF5	<p>Malignant disorders of gastro intestinal system</p> <ul style="list-style-type: none"> o Etiology, clinical manifestations, diagnosis, prognosis, related pathophysiology, medical , surgical, other modalities and nursing management of: <ul style="list-style-type: none"> • Malignancy of oral cavity, Lip, Tongue, buccal mucosa, oropharynx, Salivary gland. • Esophageal , Gastric , Carcinoma of bowel - Small bowel, Colorectal and Anal carcinoma, • Liver, biliary tract and Pancreatic carcinoma
XII	5	<p>Administration and management of GE unit</p> <ul style="list-style-type: none"> □ Design & layout □ Staffing □ Equipment, supplies □ Infection control; Standard safety measures. □ Quality Assurance:-Nursing audit –records /reports, Norms, policies and protocols □ Practice standards.
XIII	5	<p>Education and training in GE care</p> <ul style="list-style-type: none"> o Staff orientation, training and development o In-service education program <ul style="list-style-type: none"> • Clinical teaching programs.

Practicals Total = 1450 Hours

1 Week =48 Hours

SL. No	Dept/ Unit	No .of Weeks
1.	Diagnostic Lab	1
2.	Emergency & Casualty	2
3.	Liver Transplant Unit	1
4.	GE Medical Ward	6
5.	GE Surgical Ward	8
6.	OT	2
7.	ICU	4
8.	Pediatric Gastroenterology	2
9.	Oncology	2
10.	GE OPD	2
	Total	30

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

Procedures to be assisted

1. Endoscopy room – Upper G.I. Endoscopy (Diagnostic and therapeutic).
2. Sigmoidoscopy
3. Colonoscopy
4. Polypectomy
5. Endoscopic retrograde cholangiopancreatography (ERCP)
6. Liver biopsy
7. Percutaneous catheter drainage (PCD) of Pseudocyst pancreas
8. Abdominal paracentesis
9. Percutaneous aspiration of liver abscess
10. GE Lab : PT, HbsAg, Markers – A, B, C virus, CBP, ESR, Stool Test

Procedures to be performed

1. History and Physical assessment
2. RT intubation / extubation / aspiration/suction

3. Gastric lavage and gavage
4. Bowel wash
5. Therapeutic Diets
6. Ostomy feeding
7. Stoma care
8. Monitoring vital parameters
9. Plan of inservice education programme for nursing staff and Class-IV employees
10. Counseling

Assignments

- Nursing care study -2
- Nursing care analysis -2
- Nursing care plan based on theories -5
- Clinical teaching -5
- Design floor plan of gastroenterology unit
- Organise in service education programme for nurses

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- Feldman, M Friedman L ,Sleisinger,. M Sleisinginer&Fordtrans gastrointestinal and Liver disease: pathophysiology, Diagnosis and Management. Saunders.
- Caroll Lutz & Karen Pozytulski. Nutrition and Diet Therapy. Jaypee
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- Joyce M Black. Medical Surgical Nursing-Clinical Management for positive outcomes, 7th Edn. Saunders, Missouri.
- National and international journals in Nursing practice, Nursing education, nursing research, Gastroenterology, Nursing management, Continuing Nursing education and Nursing.



2.11 No: of hours per subject (lecture-tutorial-seminar-group discussion)

As given under “Content of each subject in each year “

2.12 Practical training given in labs/supervision (No: of hours for each exercise/training)

As given under “Content of each subject in each year “

2.13 Records

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examination

2.14 Dissertation: Guide/Co-Guide/ Change of Guide

Dissertation

Every candidate pursuing M .Sc Nursing course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within nine months from the date of commencement of the course on or before the dates notified by the University.**

The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1	Submission of the research proposal	End of 9th month of 1st year
2	Submission of dissertation Final	End of 9th month of IIInd Year

1. The dissertation should be written under the following headings:
2. INTRODUCTION
3. REVIEW OF LITERATURE
4. METHODOLOGY
5. ANALYSIS & INTERPRETATION
6. RESULTS
7. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES

APPENDICES

Dissertation style: Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69”) and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Four copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21st month of commencement of the course.

Hall ticket for the second year examination should be issued to the candidate only after the dissertation has been submitted to the University.

Guidelines for submission of dissertation is given in Annexure

Research Guides

a) Qualification of Guide

Main guide: Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide: A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

b) Guide – Students Ratio

Maximum of 1:5 (including as co-guide)

Change of Guide –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

c) Research Committee

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

2.15 Speciality training if any

Nil

2.16 Project work to be done if any

Clinical Assignments as given in “Content of each subject in each year “

2.17 Any other requirements [CNE, Paper Publishing etc.]

As given under “Content of each subject in each year “

2.18 Prescribed/recommended textbooks for each subject

As given under “Content of each subject in each year “

2.19 Reference books

As given under “Content of each subject in each year “

2.20 Journals

As given under “Content of each subject in each year “

2.21 Logbook

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination

3. EXAMINATIONS

3.1. Eligibility to appear for exams [including Supplementary]

a). Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. There is no provision for condonation of attendance for the PG candidates. The candidate shall submit dissertation before registering for the final year examinations.

b). Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

c). Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3.2. Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted within six months after the declaration of results of regular examinations

3.3. Scheme of examination showing maximum marks and minimum marks

1 st year	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Medical Surgical Nursing- 1	3	25	12.5	100	50	4 hrs	100		100		325
											850
2 nd year	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		Total
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
	Nursing Management	3	25	12.5	100	50					
Dissertation Viva							100	50	100	50	200
Medical Surgical Nursing -11 [Cardio Vascular & Thoracic Nursing / Critical care Nursing/Oncology Nursing/Neurosciences Nursing/Nephro-Urology Nursing/ Orthopedic Nursing/ Gastro Enterology Nursing]	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											650
Total of Ist & IInd Year											1500

* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

**Nursing Research (Internal) =15 and Statistics (Internal) =10



1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.
5. Maximum number of candidates for all practical examination should not exceed ten per day.
6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

3.4. Papers in each year

As given under “Scheme of examination showing Maximum and Minimum Marks “

3.5. Details of theory exams

As given under “Scheme of examination showing Maximum and Minimum Marks and 3.6

3.6. Model question paper for each subject with question paper pattern

Question Paper Pattern

I) All subjects with Maximum Marks:100		
Long Essay	1x20 marks 1x15 marks	35 marks
Short Essay	4x10 marks	40marks
Short Notes	5x5 marks	25 marks
Total Marks		100 marks

II) Nursing Research Max.marks:75		
Long Essay	2x15 marks	30 marks
Short Essay	3x10 marks	30 marks
Short notes	3x 5 marks	15 marks
Total Marks		75 marks
III) Statistics : 25 marks		
Statistical Calculations	1x10 marks	10 marks
Short notes	3x5 marks	15 marks
Total Marks		25 marks

QP Code:

Reg. No.:.....

I YEAR M.SC (NURSING) DEGREE EXAMINATION

ADVANCED NURSING PRACTICE

Model question paper

Time : Three hours

Maximum marks : 100 marks

Answer all questions

Long Essays

- I. a. Define the concept of health promotion
- b. Explain the major assumptions of Penders' Health promotion model.
- c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.

(2+8+10 = 20 marks)

2. Mr. M is admitted in the surgical ward with hemorrhagic shock after a road traffic accident.

- a. Explain the pathophysiology of haemorrhagic shock
- b. Describe the management for this patient and prepare a care plan for 3 priority nursing diagnosis.

(5+4+6=15marks)

Short Essays

3. Describe the basic elements and explain the barriers of communication (10 marks)
4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks)
5. Briefly explain the safe disposal of biomedical wastes (10 marks)
6. Explain the principles and techniques of counselling (10 marks)

Write short notes on (5x 5 = 25 marks)

7. Telemedicine
8. Use of computers in nursing practice
9. Haemodialysis
10. Metabolic acidosis
11. Genetic counseling

QP Code:

Reg. No.:.....

FIRST YEAR M.Sc NURSING DEGREE EXAMINATION

NURSING RESEARCH & STATISTICS

MODEL QUESTION PAPER

Time: Three Hours. Maximum: 100 Marks

Answer Section A and B in separate answer books

SECTION A : NURSING RESEARCH

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS'
15
2. Describe observation as a method of data collection. 15
3. Explain the criteria for selection of a research problem. 10
4. Describe the methods of controlling extraneous variables. 10
5. Explain the different types of sampling. 10

Write Short notes on

6. Evidence based practice.
7. Grounded theory.
8. Purposes of literature review. (3x5=15)

Section B: statistics

9. Which is the appropriate statistical test to conclude the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

NURSING EDUCATION

Model question paper

Time : 3 hrs

Max.marks:100

Answer All Questions

Long Essays

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)

Short Essays

3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in education. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structural practical examination
11. Formative and summative evaluation (5x5=25)

QP Code:

Reg. No.:.....

**I YEAR M.SC (NURSING) DEGREE EXAMINATION
MEDICAL SURGICAL NURSING – I**

Model question paper

Time : Three hours

Maximum marks : 100 marks

Answer all questions

Long Essays

1. a. Describe the pathophysiology of cirrhosis of liver.
- b. List the complications and plan the nursing care of a patient with hepatic failure secondary to cirrhosis

(8+4+8=20marks)

2. Mr. X, 36 years is admitted with chest pain and is diagnosed as having Inferior wall Myocardial Infarction.

- a. What are the complications of inferior wall myocardial infarction?
- b. How will you manage the pain of acute myocardial infarction?

(8+7=15marks)

Short Essays

3. Mr. Y, 26 years is admitted with Acute Respiratory Distress Syndrome (ARDS)
Describe the pathophysiology of ARDS (10)
4. Explain the management of abdominal trauma (10)
5. Describe the assessment findings in a patient with chronic renal failure. (10)
6. Explain the medical management of a patient with tuberculosis (10)

Write short notes on the following:

(5x 5 = 25 marks)

7. Status epilepticus
8. Glaucoma
9. Psoriasis
10. Challenges of geriatric nursing
11. poisoning

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

Answer all questions

Time: 3 hrs

Max. marks: 100

Answer all questions.

Long Essays

1. Explain the principles of management with suitable examples. (20)
2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)

Short Essays

3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
4. Explain the role of nurse administrator in supervision. (10)
5. Explain the challenges and current trends in nursing administration. (10)
6. Describe the steps of material management. (10)

Write short notes (5x5=25)

7. Collective bargaining
8. Nurses role in occupational health and safety.
9. Legal issues in nursing
10. Quality circle
11. Conflict management

QP Code:

Reg. No.:.....

**Second Year M.Sc Nursing Degree Examinations
(Model Question Paper)**

**Clinical Speciality II Medical Surgical Nursing
Subspecialty: Cardiovascular and thoracic nursing**

Time: 3 hrs Max.Marks:100

- Answer all questions

Long Essays

1. Explain the pathophysiology of Acute Myocardial Infarction. Describe the nursing care of a patient with Acute Myocardial Infarction treated with fibrinolytic therapy, for the first 48hrs. (8+12=20)
- 2 Explain the risk factors of hypertension. Describe the lifestyle modification to be followed by a person diagnosed to have hypertension. (8+7=15)

Short Essays

3. Explain the management of a patient with acute respiratory failure (10)
4. Explain the management of patients with bronchial asthma (10)
5. Explain the nurse's role in designing an Intensive Care Thoracic Unit with 10 beds. (10)
6. Prepare a health education plan for a patient undergone permanent pacemaker implantation (10)

Short notes:

(5x5=20)

7. ECG changes in conduction abnormalities
8. Pulmonary edema
9. Venous leg ulcers
10. Calcium channel blockers
11. Cardiac rehabilitation.

QP Code:

Reg. No.:.....

**Second Year M.Sc Nursing Degree Examinations
(Model Question Paper)**

Clinical Speciality II Medical Surgical Nursing

Subspecialty: Critical Care Nursing

Time: 3 hrs

Max.Marks:100

Answer all questions

Long Essays

1. Explain the pathophysiology and medical and nursing management of a patient with acute intestinal obstruction

(5+8+7=20)

2. Explain the complications and the post operative care of a patient undergone renal transplantation for the first 48hrs of surgery.

(5+10=15)

Short Essays

3. Explain the acute management of a patient with spinal cord injury at C4 level.(10)

4. Describe the management of intracranial hypertension

(10)

5. Explain the patho physiology and the nursing management of a patient with asthma (10)

6. Explain the post operative care of a patient undergone valve replacement surgery with emphasis on immediate and long term management (10)

Short notes:

(5x5=25)

7. Asphyxia neonatorum

8. Euthanasia

9. Psychosocial problems of the critically ill person

10. Theories of pain

11. Nutritional management of a critically ill patient

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

Clinical Speciality II Medical Surgical Nursing

Subspecialty: Oncology Nursing

Time: 3 hrs

Max. Marks: 100

- Answer all questions

Long Essays

1. Explain the nurse's role in the prevention and management of neoplastic cardiac tamponade and spinal cord compression.

(10+10=20)

2. Explain the medical and nursing management of a child with leukemia

(7+8=15)

Short Essays

3. Describe the manifestations of stomach cancer. Explain the treatment modalities in Ca Stomach.

(4+6=10)

4. Describe the concept and elements of a palliative care. (10)

5. What nursing interventions are helpful to minimize complication of head and neck radiation?

(10)

6. Explain the nurse's role in primary prevention of cancer. (10)

Write Short notes:

(5x5=25)

7. Carcinogens

8. Tumor markers

9. Side effects of Chemotherapy.

10. Radiation equipments

11. Biological therapy in cancer treatment.

QP Code:

Reg. No.:.....

**Second Year M.Sc Nursing Degree Examinations
(Model Question Paper)
Clinical Speciality II Medical Surgical Nursing
Subspecialty: Neurosciences Nursing**

Time: 3 hrs

Max. Marks: 100

- Answer all questions

Long Essays

1. List the causes of encephalitis. Explain the patho physiology and nursing management of a patient with encephalitis during the acute stage.

(3+7+10=20)

2. Enumerate the signs and symptoms of spinal cord injury at 6th cervical vertebrae. Explain the emergency management of a patient with acute spinal cord injury

(7+8=15)

Short Essays

3. Describe the types and CSF findings in meningitis.

(10)

4. After a car accident, Mr. X, 28 years is admitted in the casualty in an unconscious stage. Explain the causes and immediate management in casualty.

(10)

5. Describe the types of neurogenic bladder. Plan a rehabilitation programme for a patient with neurogenic bladder (10)

6. Explain the role of nurse specialist in designing and staffing of Neuro ICU. (10)

Short notes:

(5x5=25)

7. Wilson's disease

8. Rehabilitation of patient with CVA

9. Monro-Kelly hypothesis

10. Digital subtraction angiography

11. Carpel Tunnel Syndrome

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

Clinical Speciality II Medical Surgical Nursing

Subspecialty: Nephro-Urology Nursing

Time: 3 hrs

Max. Marks: 100

Answer all questions

Long Essays

1. Explain the preparation of a patient for renal transplantation. List the complications of kidney transplantation. Outline the nursing management for the first 48 hours

(5+5+10=20)

2. Explain the pathophysiology of Chronic Renal Failure. Prepare a plan for rehabilitation of patient with Chronic Renal Failure

(8+7=15)

Short Essays

3. Explain the nursing management of a patient undergoing Haemodialysis.

(10)

4. Explain the role of advance practitioner in nephrological nursing for quality assurance in the department. (10)

5. Explain the role of nurse specialist in designing and staffing of Kidney Transplantation Unit. (10)

6. Classify renal calculi. Describe the primary prevention measures of renal calculi (10)

Write short notes:

(5x5=25)

7. Risk factors associated with peritoneal dialysis

8. Management of Wilm's tumour

9. Bladder neoplasm

10. Urinary diversions

11. Proteinuria in nephrotic syndrome

QP Code:

Reg. No.:.....

**Second Year M.Sc Nursing Degree Examinations
(Model Question Paper)**

**Clinical Speciality II Medical Surgical Nursing
Subspecialty: Orthopedic Nursing**

Time: 3 hrs Max. Marks: 100

•Answer all questions

Long Essays

1. Explain the pathophysiology of osteoarthritis. Describe the management. (10+10=20)
2. Explain the pathophysiology and the treatment options for fracture femur (8+7 =15)

Short Essays

3. Write the medical and nursing management of patient with Myasthenia Gravis. (10)
4. Explain the role of nurse specialist in designing and staffing of Orthopedic Unit. (10)
5. Rehabilitation of a patient undergone above Knee amputation. (10)
6. Explain the postoperative management of a patient undergone Hip replacement surgery (10)

Short notes:

(5x5=25)

7. Paget's disease
8. Spinal stenosis
9. Osteomyelitis
10. Care of Patient on plaster cast
11. Osteoporosis

QP Code:

Reg. No.:.....

Second Year

M.Sc Nursing Degree Examinations

(Model Question Paper)

Clinical Speciality II Medical Surgical Nursing

Subspecialty: Gastroenterology Nursing

Time: 3 hrs Max. Marks: 100

Answer all questions

Long Essays

1. Explain the pathophysiology, Clinical manifestations and management of intestinal obstruction.

(6+6+8=20)

2. Explain the causes and management of peptic ulcer

(7+8=15)

Short Essays

3. Describe the surgical management of cholecystitis. Explain the nursing management of a patient for the first 48 hrs of surgery (10)

4. Describe the diagnostic tests and the various management modalities of colorectal cancer.

(10)

5. Explain the role of nurse specialist in designing and staffing of Gastroenerology Unit. (10)

6. Explain the complications of cirrhosis of liver based on pathophysiology and plan a discharge plan for a patient with cirrhosis of liver (10)

Write short notes: (5x5=20)

7. Cholangiography

8. Celiac disease

9. Diaphragmatic hernia

10. Biliary obstruction

11. Peritonitis.

3.7. Internal assessment component

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

3.8. Details of practical/clinical practicum exams

- ☐ 4 hours of practical examination per student.
- ☐ Maximum number of 10 students per day per specialty.
- ☐ The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- ☐ One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- ☐ Follow the evaluation guidelines for the conduct of practical examinations Refer 2.2.10 & annexure for guidelines.

3.9. Number of examiners needed (Internal & External) and their qualifications

- ☐ One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

3.10. Details of viva: division of marks

Duration: Viva-Voce -minimum 30 minutes per student.

4. INTERNSHIP

4.1. Eligibility for internship

Not applicable.

4.2. Details of internship

Not applicable.

4.3. Model of Internship Mark lists

Not applicable.

4.4. Extension rules

As given under “Leave , Vacation/ holidays permitted “

4.5. Details of training given

As given under “Content of each subject in each year “

5. ANNEXURES

5.1 Check Lists for Monitoring: Log Book, Seminar, Assessment etc.

As given under clause “Content of each subject in each year”

5.2. Template for Dissertation

GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year

.....Title.....

By

Name of the Candidate

Dissertation submitted to the
Kerala University of Health Sciences

Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year



DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled
“.....Title.....” is a bonafide and genuine research work carried out by
me under the guidance of Name & designation of the Guide.

Signature of the candidate

Date:

Place:

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....
Title.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Guide

Name and designation

Date:

Place:

ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title
.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Principal

Name and designation

Date:

Place:

(College seal)

COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have
The rights to preserve, use and disseminate this dissertation in print or electronic
Format for academic/ research purpose.

Signature of the candidate

Date:

Place:

Name

ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives

Signature of the candidate

Date:

Place:

Name



ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)

TABLE OF CONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEW OF LITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS & INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	

LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
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1.

2.

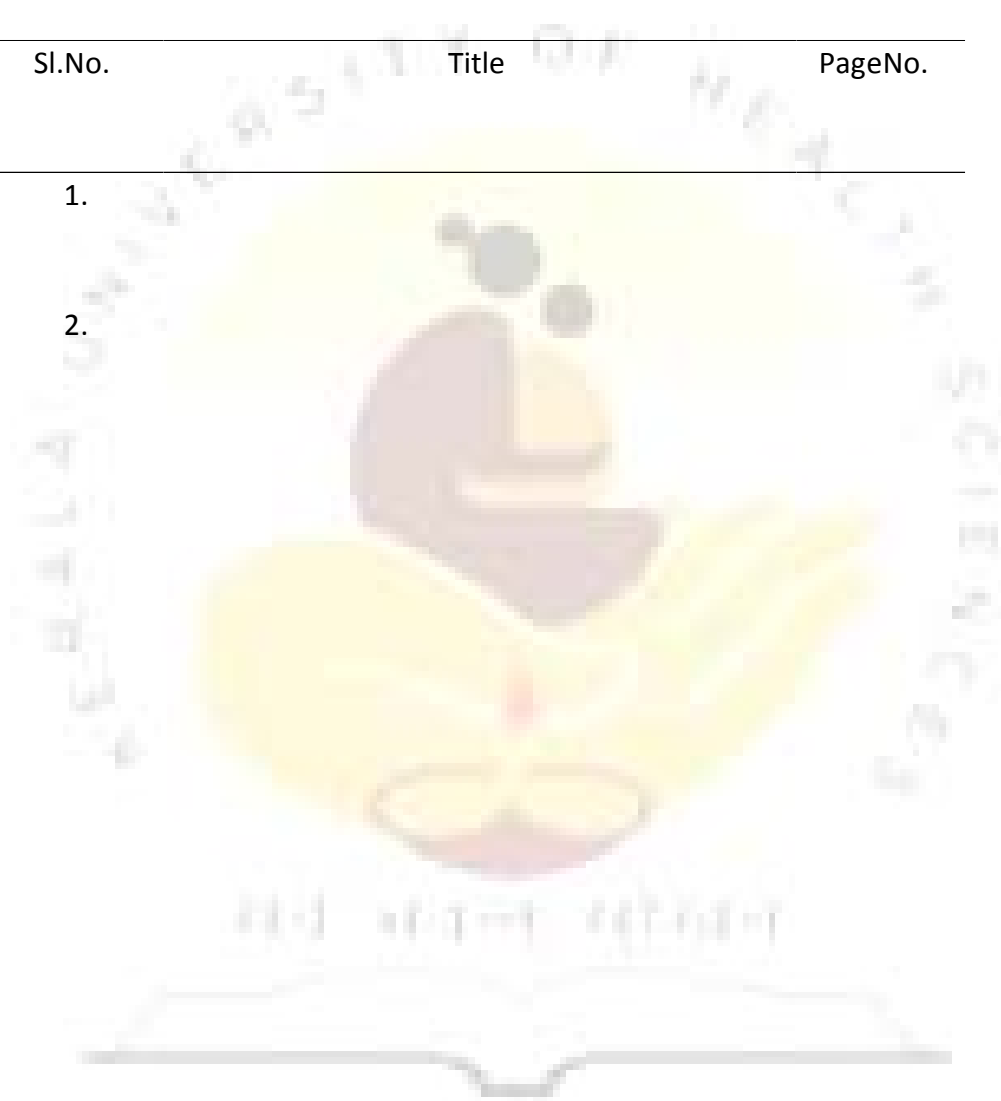


LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF APPENDICES (14size, Bold)

Sl.No.	Title	PageNo.
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A.

B.

C.

D.



CHAPTER 1

INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

Objectives

Operational definitions

Assumptions (if any)

Hypothesis (Write research hypothesis)

Conceptual/theoretical framework

CHAPTER 2 (14size, bold)

REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

CHAPTER 3 (14size,bold)

METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis

CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)



CHAPTER 5 (14size,bold

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size,bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

Limitations

Recommendations

Abstract

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.

Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

- I.) Bio- Data of the Guide
- II.) proposal of the study (maximum 4-6 pages)

Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

Tools/Instrument (English)

Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.

**KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
Medical College P.O.**

Affix Photo

**PROFORMA FOR RECOGNITION OF POST GRADUATE TEACHER [Read
the instructions carefully before filling up the proforma]**

1. NAME:
(in block letters)
2. DATE OF BIRTH: AGE:
(Attested copy of SSLC marks card / proof of date of birth to be enclosed)
3. PRESENT DESIGNATION:
4. DEPARTMENT:
5. ADDRESS:

<p>COLLEGE ADDRESS</p> <p>Phone (o) : Email: Hospital: College Fax:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PRESENT</td> <td style="width: 50%; text-align: center;">RESIDENTIAL</td> </tr> <tr> <td colspan="2" style="text-align: center;">ADDRESS</td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 20px;">Phone (R):</td> </tr> </table>	PRESENT	RESIDENTIAL	ADDRESS		Phone (R):	
PRESENT	RESIDENTIAL						
ADDRESS							
Phone (R):							

6. QUALIFICATION:
(Attested Xerox copies of all the certificates to be enclosed)

SI No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				

7. Teaching Experience

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	
Total teaching experience				
Total teaching experience		Before PG _____ After PG _____ Total _____		

Note:

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)
(Regarding additional qualifications, achievements, publications, awards etc.,)

Declaration by the Teacher

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

Signature of the Teacher

Endorsement by the Principal

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

Place :

Date :

Signature of the Principal

INSTRUCTIONS:

1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.
2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.

KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596
POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR
CHANGE OF GUIDE

(Please Note: Change of guide is permitted only if the guide leaves the college, transferred to another college, retires or expires.)

Date:

A. Particulars of Candidate, and Existing Guide

Candidate's Name & Address :

Name of the Institution :

Course of Study & Subject :

Date of Admission to Course :

Title of the Topic :

Name & Designation of Existing Guide :

Signature of the Candidate :

B. PARTICULARS OF PROPOSED GUIDE

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

If yes, please furnish the particulars of university letter & If No, Please send his/her proforma for recognition as PG teacher

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

C: Endorsement for change of guide

1. Remarks and Signature of the HOD :

2. Reason for change of guide:

Resigned / Retired/ any other

3. Remarks and Signature of the Principal:

Format for the submission of Dissertation Hard & Soft copy

Instructions to candidates

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

Paper

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

Type Size and Print

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

Pagination

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

Spacing

Use double spacing except for long quotations and footnotes which are single-spaced.

Margins

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.

Photographs

Professional quality black-and-white photographs are necessary for clear reproduction. Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.



File Fomat

Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF, MPEG (moving picture expert) files format.

Labeling on CD

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

References

Vancouver style format.



5.3. Template for Mark List showing Maximum & Minimum

(Sample)

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

Name of the college

Name of course : M.Sc Nursing -Medical Surgical Nursing

Examination : First Year M.Sc Nursing Regular Examination

Date of publication :.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awa rded	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Medical Surgical Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

Name of the college

Name of course : M.Sc Nursing - Medical Surgical

Examination : Second Year M.Sc Nursing Regular Examination

Date of publication :.....

Month & Year of Examination:

Sl. No.	Subjects	Theory			Practical			Total			Result
		Max	Min	Awarded	Max	Min	Awarded	Max	Min	Awarded	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality - II Medical Surgical (Cardio Vascular & Thoracic Nursing/ Critical care Nursing/Oncology Nursing/Neurosciences Nursing/Nephro-Urology Nursing/ Orthopedic Nursing/ Gastro Enterology Nursing)	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



Syllabus

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



MASTER OF SCIENCE IN NURSING

**MSc Mental Health
(Psychiatric) Nursing**

Course Code 272

(2016-17 admission onwards)

2016

2. COURSE CONTENT

2.1 Title of course:

MASTER OF SCIENCE IN NURSING – MSc Mental Health (Psychiatric) Nursing

2.2 Aim & Objectives of the Course

AIM

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

OBJECTIVES

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth
11. Describe the role of various types of complementary and alternative therapies in mental health nursing.
12. Recognize the role of Psychiatric nurse practitioner as a member of the mental health team.

13. Demonstrate advanced skills and competence in the nursing management of patients with mental disorders in various settings.
14. Incorporate evidence based nursing practice and identify the areas of research in the field of mental health nursing.
15. Explain the legal and ethical issues pertaining to mental health nursing.

2.3 Medium of instruction:

Medium of instruction shall be English

2.4 Course outline

1 year	Theory (hrs)	Practical (hrs)
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Mental Health (Psychiatric)		
Nursing-I	150	900
Total	600	1650
II Year	Theory (hrs)	Practical (hrs)
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
Mental Health (Psychiatric)		
Nursing -II	150	1450
Total	300	1950
Grand Total	900	3600

2.5 Duration

Duration of the course is for 2 years.

Weeks/year : 52 weeks

Leave : 3 weeks (20 days)

Preparation and Exam : 2 weeks

Total weeks available	: 47 weeks
Total hours/week	: 48 hours
48 hoursX47weeks	: 2256 hour/year

2.6 Syllabus

As given under “Content of each subject in each year”. The concept of Health Care Counselling shall be incorporated in all relevant areas

2.7 Total number of hours

As given under “Content of each subject in each year “

2.8 Branches if any with definition

Not Applicable

2.9 Teaching learning methods

As given in 2.10As given under “Content of each subject in each year “

2.10 Content of each subject in each year

FIRST YEAR M.Sc NURSING NURSING EDUCATION

Placement: Ist Year

Hours of Instruction

Theory 150 Hours

Nursing Faculty-115

External Faculty- 35

Practical 150 Hours

Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.

5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of Evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> □ Education :Definition, aims, concepts, philosophies, Formulation of philosophy & their implications on education (Review) □ Impact of Social, economical, political & technological changes on education. □ Professional education □ Current trends and issues in education □ Educational reforms and National Educational Policy, various educational commissions-reports <p>Nursing education- Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs,</p>
		M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.
II	20	Curriculum Development

		<p>Definition, curriculum determinants, process and steps of curriculum development, Types and framework.</p> <ul style="list-style-type: none"> □ Educational Objectives - types, domains, levels, elements and writing of educational objectives, □ selection of learning experiences □ Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan. □ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. □ Evaluation of educational programs in nursing- course and program. □ Equivalency of courses : Transcript , credit system.
<p>III</p>	<p>20 *EF 10</p>	<p style="text-align: center;">Teaching – Learning Process</p> <ul style="list-style-type: none"> □ Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning □ Competency based education, outcome based education(OBE) □ Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching. <p>Innovative Strategies</p> <p>Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching</p>
		<p>Class room management and transactional analysis</p> <p>Teacher - Roles & responsibilities, functions characteristics, competencies, qualities.</p>

		<p>Preparation of professional teacher</p> <p>Organizing professional aspects of teacher preparation programs.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Critical analysis of various programs of teacher education in India
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<p>40</p> <p>EF20</p>		<p>Evaluation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity, reliability, usability <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation, <input type="checkbox"/> Evaluation strategies-meaning, characteristics. <input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks. <input type="checkbox"/> Item analysis <p>Non-standardized tests :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Essay, short answer questions and multiple choice questions, True & False, Completion.Tools of Evaluation-Rating scales, checklist,Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE),Viva
		<p>Examination</p> <ul style="list-style-type: none"> <input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal

		<p>record, Attitude scale, critical incident technique.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Question bank-preparation, validation, moderation by panel. <p>Standardized Tools</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities. <input type="checkbox"/> Teacher Evaluation-Strategies
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V	15	<p>Instructional Media & Methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key concepts in the selection and use of media in education <input type="checkbox"/> Developing learning resource material using different Media. <input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization. <input type="checkbox"/> Teacher’s role in procuring and managing <input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc
VI	10	<p>Continuing Education in Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of learning, assessments of learning needs, priorities, resources. <input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs. <input type="checkbox"/> Research in continuing education. <input type="checkbox"/> Distance education in nursing
VII	5 EF5	<p>Guidance and counseling</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review). <input type="checkbox"/> Trends and issues in Guidance and counseling.

		<ul style="list-style-type: none"> <input type="checkbox"/> Guidance and counseling services: diagnostic and remedial. <input type="checkbox"/> Coordination and organization of services. <ul style="list-style-type: none"> <input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of counselor, problems in counseling. <p style="text-align: center;">Professional preparation and training for counseling</p>
VIII	25	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel. <input type="checkbox"/> Role of curriculum coordinator – planning , implementation & Evaluation <input type="checkbox"/> Evaluation of educational programs in nursing- course & Program <input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together <input type="checkbox"/> Concept of faculty supervisor (dual) position. <input type="checkbox"/> Curriculum research in nursing. <p>Different models of collaboration between education and service</p>

IX	5	<p>Quality in Nursing Education</p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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* External Faculty (EF)

Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
 - Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation

- Tests
- Presentation
- Project work

Assignments –Theory

Lesson plan-2,courseplan -1,unit plan 2,rotation plan-2(master plan,clinical rotation)

Evaluation tool-construction,administration and evaluation(Essay,objectivetype,ratingscale,checklist)

Construction of an achievement test

Practical

Practice teaching using different strategies (lecture cum discussion-5,demonstration-2,seminar-1,clinicalteaching -2,symposium/role play/panel discussion)

Internal Assessment (Theory)

	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	100%

Practical – Internal assessment

Preparation of Learning resource material &	25%
Construction of tests/rotation plan.	
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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- Malla Reddy Mamidi, S. Rvisankar Curriculum Development and educational Technology, Latest Edition, Sterling Publishers, New Delhi.
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ADVANCED NURSING PRACTICE

Placement: 1st Year

Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self development and professional advancement.

COURSE CONTENT

Unit	Hours	Content
I	8	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: History and development of nursing profession, Perspectives <p>of Nursing Profession-National, global</p> <ul style="list-style-type: none"> <input type="checkbox"/> Code of ethics, code of professional conduct, autonomy and Legal considerations <input type="checkbox"/> Evidence Based Nursing Practice <input type="checkbox"/> Progressive Patient Care <input type="checkbox"/> Quality assurance in Nursing <input type="checkbox"/> Futuristic nursing.
II	5	<p>Health care delivery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health care environment, Health economics <p>Health care policy -National, State</p> <ul style="list-style-type: none"> <input type="checkbox"/> Policy and politics in Nursing <input type="checkbox"/> Health care delivery system- national, state, district and local level. <input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc <input type="checkbox"/> Patterns of nursing care delivery in India. <input type="checkbox"/> Health care delivery concerns <input type="checkbox"/> National health and family welfare programs:(Review) <input type="checkbox"/> Information, education and communication (IEC). <p>Tele-medicine.</p>
111	20	<p>Philosophy and Theories of Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Values, Conceptual models, approaches. <input type="checkbox"/> Nursing theories: Nightingale's, Hendersons's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications <p>Health promotion and health belief models</p>

		<input type="checkbox"/> Evidence based practice model.
1V	12 *EF8	Clinical Assessment-History taking and physical examination
V	6	Nursing process Review: Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
V1	15 EF10	Genetics <ul style="list-style-type: none"> <input type="checkbox"/> Molecular basis of the gene and transmission of genetic information <input type="checkbox"/> Recombination, Mutation, Pedigree analysis <input type="checkbox"/> Mapping the Human genome – Genome project. <input type="checkbox"/> Approaches to common genetic disorders-Monogenic and polygenic <input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, <input type="checkbox"/> Ethical, legal & psychosocial issues in genetic testing. <input type="checkbox"/> Genetic counseling. <input type="checkbox"/> Practical application of genetics in nursing.
V11	4 EF2	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Review :Epidemiological approach and methods <input type="checkbox"/> Concepts of causation of diseases and their screening, <input type="checkbox"/> Application of epidemiology in health care delivery <input type="checkbox"/> Health surveillance and health informatics <input type="checkbox"/> Role of nurse
V111	30	Bio-Psycho social pathology <ul style="list-style-type: none"> <input type="checkbox"/> Review: Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageingprocess,geriatric considerations in nursing, Psychosocial dynamics in causation of disease, life style disease Common problems and management: <input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency Haemodynamic monitoring <ul style="list-style-type: none"> Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS,Hemorrhage, shock, Altered body temperature, Unconsciousness, Insomnia, pain,

		Sensory deprivation, Immobility, Anaphylaxis, Septicaemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation, Emerging communicable diseases and biomedical waste management.
IX	15 EF5	<p>Psychological aspects and Human relations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs <input type="checkbox"/> Human Sexuality and sexual health. <input type="checkbox"/> Stress and adaptation, crisis and its intervention, <input type="checkbox"/> Coping with loss, death and grieving, <input type="checkbox"/> Principles and techniques of Counseling.
X	10	<p>Nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Framework, scope and trends. <input type="checkbox"/> Alternative modalities of care <input type="checkbox"/> Alternative systems of health and complimentary therapies. <input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. <input type="checkbox"/> Health promotion and primary health care. <input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner. <input type="checkbox"/> Collaboration issues and models-within and outside nursing. <p>Models of Prevention</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gender sensitive issues and women empowerment. <p>Disaster nursing.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Trans-cultural nursing.
XI	15	<p>Advanced nursing skills</p> <ul style="list-style-type: none"> <input type="checkbox"/> Definition, Indication and nursing implications: <input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS

10 EF5	<p>Computer applications for patient care delivery system and nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use of computers in teaching, learning, research and nursing practice. <input type="checkbox"/> Windows, MS office: Word, Excel, Power Point <input type="checkbox"/> Internet-literature search, <input type="checkbox"/> Statistical packages <input type="checkbox"/> Hospital management information system: softwares
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Legend: *EF-External Faculty

Practical – 500 Hrs

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	Total	11

Activities

- Practice advance clinical procedures
- Prepare care plan and care study based on nursing process and nursing theories (Medial, Surgical)
- Care Analysis (Medial /Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching- 3

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion
- Debate

- Case Presentations
- Exposure to scientific conferences

Methods of evaluation:

Tests

- Presentation
- Seminar
- Written assignments

Advance Nursing Procedures

Definition, Indication and nursing implications:

- Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal parentasis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

Internal Assessment

Theory	Weightage
Sessional exams (3)	50%
Assignment	25%
Seminar/presentation	25%
	100%

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NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

Part A: Nursing Research

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

COURSE CONTENT:

Unit	Theory hours	Content	Practical hours	Content
I	5	<p>Introduction</p> <p>Review:</p> <ul style="list-style-type: none"> • Problem solving and scientific method. <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Future trends in nursing research. <input type="checkbox"/> Problems and challenges in nursing research, health and social research. <input type="checkbox"/> Priorities for nursing research. <input type="checkbox"/> Evidence based practice. <input type="checkbox"/> Ethics in research 		
II	5	<p>Review of Literature</p> <ul style="list-style-type: none"> • Review- <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources • Guidelines for writing literature review. 	5	Literature search-web search

III	10	Research problem: <ul style="list-style-type: none"> <input type="checkbox"/> Identification of research problem/ research question. <input type="checkbox"/> Formulation of problem statement and research objectives <input type="checkbox"/> Definition of terms <input type="checkbox"/> Assumption and delimitations <input type="checkbox"/> Identification of variables <input type="checkbox"/> Hypothesis –definition, formulation and types. 	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	Developing theoretical /conceptual framework. <ul style="list-style-type: none"> <input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research <input type="checkbox"/> Using, testing and developing conceptual framework, models and theories. 	5	Developing theoretical /conceptual framework.
V	15	Research Approach and designs Qualitative and Quantitative, Mixed methods Qualitative research approaches: Grounded theory, phenomenology, ethnography, case study and historical research. Quantitative: Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	Sampling Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

VII	20	<p>a) Data collection methods and Tools: Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p>b) Measurement and data quality Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
VIII	3	Critical analysis of research reports and articles	15	Critical analysis of research reports and Articles
IX	4	Developing and presenting a research proposal	5	Presenting a research
X	5	Implementing research plan Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data	40	Pilot study
XI	10	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion		
XII	10	Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA), Utilization of research findings. Writing scientific articles for publication: purposes & style		

Activities:

- Annotated Bibliography of research reports and articles. -4
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical /conceptual framework.
- Preparation of a sample research tool.
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal presentation-1
- Critical evaluation of selected research studies –dissertaton-1,journal article -1
- Writing a scientific paper

Methods of Teaching:

- Lecture-cum-discussion
- Seminar/Presentations
- Project
- Class room exercises
- Journal club

Methods of Evaluation:

- Quiz, Tests(Term)
- Assignments/Term paper
- Presentations
- Project work (Concerned specialty)

Internal Assessment Techniques	Weightage (15 marks)
essional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
Total	100%

Part –B: Statistics (External Faculty)

Hours of Instruction

Theory	50Hours
Practical	25 Hours
Total	75 Hours

Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

Course content

Unit	Hours		Content
	Theory	Practical	
I	7	I	Introduction: <ul style="list-style-type: none"> □ Concepts, types, significance and scope of statistics, meaning of data □ Sample, parameter □ Type and levels of data and their Measurement <ul style="list-style-type: none"> □ Organization and presentation of data-Tabulation of data □ Frequency distribution □ Graphical and tabular presentations
II	4		Measures of central tendency: Mean, Median, Mode
III	4		Measures of variability: □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation

IV	3		Normal Distribution: □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		Measures of relationship: □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		Designs and meaning: □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		Significance of Statistic and Significance of difference between Statistics(Testing hypothesis) □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- _t‘ test, ANOVA,
VIII	5		Use of statistical methods in psychology and education □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	Application of statistics in health: Ratios, Rates, Trends Vital health statistics –Birth and death rates Measures related to fertility, morbidity and mortality
X	4	20	Use of Computers for data analysis Use of statistical package

Activities:

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package

Methods of Evaluation:

- Test, Classroom statistical exercises

Internal Assessment Techniques weightage 10 marks

Sessional exams – (2) 100%

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CLINICAL SPECIALTY-1

MENTAL HEALTH (PSYCHIATRIC) NURSING-1

Placement-I Year

Hours of instruction		Resource Persons	
Theory	- 150 Hrs.	Psychiatric Nursing Faculty-100 Hrs	
		Psychiatrist	-25 Hrs
			-20
Practical	- 900 Hrs.	Psychologist	Hrs
Total	- 1050 Hrs.	Psychiatric social worker	-5 Hrs

Course Description:

The course is designed to assist students in developing expertise and in depth understanding in the field of psychiatric nursing. It will help the students to acquire knowledge regarding the psychodynamics of human behaviour, epidemiology, manifestations and treatment modalities of various mental disorders, render holistic care to clients in various settings and to function effectively as a nurse specialist among the interdisciplinary team members. It will help the students to appreciate the latest trends and identify researchable areas in the field of psychiatric nursing and utilize research findings in their practice.

Objectives:

At the end of the course, the students:

1. Appreciate the trends and issues in the field of Psychiatry and Psychiatric Nursing.
2. Explain the dynamics of personality development and human behaviour.
3. Describe the concepts of psychobiology and psychopathology in mental disorders and its implications for psychiatric nursing practice.
4. Demonstrate therapeutic communication skills in all interactions.
5. Establish and maintain therapeutic relationship with individual, groups and families.
6. Apply nursing process in providing holistic care to patients with mental disorders.
7. Carryout counselling and guidance programmes to various types of clients
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing.
9. Demonstrate skills /competencies in nursing management of patients with different mental disorders.
10. Participate in various treatment modalities used for Psychiatric patients.
11. Recognize the role of Psychiatric nurse practitioner as a member of the mental health team.

COURSE CONTENT

UNIT	TIME (HRS)	CONTENT
I	5	<p>INTRODUCTION</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review of mental health <input type="checkbox"/> Mental health illness continuum <input type="checkbox"/> Historical perspectives <input type="checkbox"/> Current concepts, trends and issues in Psychiatry <input type="checkbox"/> Mental health services in Kerala, India, and abroad. <input type="checkbox"/> Scope, issues and challenges in Psychiatric nursing <input type="checkbox"/> Principles and standards of -Psychiatric nursing practice <input type="checkbox"/> Multidisciplinary approach and role of the Psychiatric nurse <input type="checkbox"/> Extended and expanded role of the Psychiatric nurse
II	10 (Psychiatrist 5)	<p>CONCEPTS OF PSYCHOBIOLOGY AND PSYCHOPATHOLOGY</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review of Anatomy -The Nervous System <input type="checkbox"/> The Brain and Limbic System <input type="checkbox"/> Nervous Tissue <input type="checkbox"/> Autonomic Nervous System <input type="checkbox"/> Neurotransmitters <input type="checkbox"/> Neurons and endocrinology -Circadian rhythm -Pituitary and thyroid glands <input type="checkbox"/> Genetics <input type="checkbox"/> Psychopathology <input type="checkbox"/> Psycho immunology -Normal Immune Response -Implication for Psychiatric illness
III	12 (Psychologist 5)	<p>THEORIES OF PERSONALITY DEVELOPMENT AND CONCEPTUAL MODELS OF NURSING PRACTICE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Personality — an overview <input type="checkbox"/> Theories of Personality development and relevance to nursing practice

		<p>-Psychoanalytic theory (Freud)</p> <p>-Interpersonal theory (Sullivan)</p> <p>-Psychosocial theory (Erickson)</p> <p>-Cognitive development theory(Piaget)</p> <p>-Moral development theory</p> <p>-Object relation theory</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nursing models — Peplau, Roy, Betty Neuman, Jhonson, Roggers. <p>Behavioural model</p> <p>Medical model</p>
IV	5	<p>STRESS AND ITS MANAGEMENT</p> <p>Concepts of Stress</p> <ul style="list-style-type: none"> <input type="checkbox"/> Psychological adaptation to Stress <input type="checkbox"/> Stress as a biological response <input type="checkbox"/> Stress as an environmental event <input type="checkbox"/> Stress as transaction between the Individual and the Environment <ul style="list-style-type: none"> • Stress management • Stress adaptation model
V	10	<p>THERAPEUTIC COMMUNICATION AND INTERPERSONAL RELATIONSHIP</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review of communication process, factors affecting communication <input type="checkbox"/> Techniques of therapeutic communication <ul style="list-style-type: none"> • Barriers of communication • Therapeutic attitudes <input type="checkbox"/> Therapeutic Nurse - Client relationship <input type="checkbox"/> Therapeutic use of self and self awareness • Therapeutic impasses and its management • Johari window • Transactional analysis • Assertive communication

VI	10 (Psychiatrist)	EPIDEMIOLOGY, SYMPTOMATOLOGY AND CLASSIFICATION <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology of common mental illnesses <input type="checkbox"/> Clinical manifestations of mental illnesses <input type="checkbox"/> Classification of mental illness -ICD , DSM -Indian
VII	10 (Psychologist 3)	NURSING PROCESS IN PSYCHIATRIC NURSING <ul style="list-style-type: none"> <input type="checkbox"/> Mental health assessment: History, Mental Status Examination <input type="checkbox"/> Physical and neurological examination <input type="checkbox"/> Psychometric assessment –Role of Nurse <input type="checkbox"/> Investigations, Diagnoses and Differential diagnoses <input type="checkbox"/> Nursing diagnoses, nursing care plan and evaluation <input type="checkbox"/> Documentation- computer assisted <input type="checkbox"/> Critical pathways of care
VIII	20 (Psychologist 5)	GUIDANCE AND COUNSELING <ul style="list-style-type: none"> <input type="checkbox"/> Counselling ; definition, concepts, types, models <input type="checkbox"/> Principles and techniques of counselling <input type="checkbox"/> Role of nurse counsellor <input type="checkbox"/> Guidance- definition, scope, types and techniques <input type="checkbox"/> Organization of guidance service
IX	10	THERAPIES IN PSYCHIATRY
	(Psychiatrist 10)	A. Psychopharmacology Historical perspectives Anti anxiety agents Anti depressant agents Mood stabilizers Anti psychotics <ul style="list-style-type: none"> <input type="checkbox"/> Sedatives - Hypnotics Central Nervous System stimulants <input type="checkbox"/> Other drugs <input type="checkbox"/> Role of a nurse in psycho pharmacological Therapy B. Electroconvulsive therapy

		<p>Historical perspectives Indications Contra indications</p> <p>Mechanisms of action Side effects</p> <p>Risks associated with Electro convulsive therapy Role of nurse in Electro convulsive therapy</p>
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	15	C. Seclusion and Restraints
	(Psychologist 7)	D. Psychosocial therapies
	(PSW 5)	<input type="checkbox"/> Guided imagery <input type="checkbox"/> Group therapy <input type="checkbox"/> Family therapy <input type="checkbox"/> Marital therapy <input type="checkbox"/> Milieu therapy <input type="checkbox"/> The therapeutic community <input type="checkbox"/> Occupational therapy <input type="checkbox"/> Recreational therapy <input type="checkbox"/> Play therapy E. Alternative therapies/Complementary therapies <input type="checkbox"/> Music therapy
X	6	ORGANIC MENTAL DISORDERS <input type="checkbox"/> Delirium <input type="checkbox"/> Dementia <input type="checkbox"/> Organic Amnestic Syndrome <input type="checkbox"/> Psychopharmacological interventions and nursing management

<p>XI</p>	<p>8</p>	<p style="text-align: center;">SUBSTANCE USE DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Substance use disorders <input type="checkbox"/> Substance induced disorders <input type="checkbox"/> Classes of Psychoactive substances <input type="checkbox"/> Predisposing factors <input type="checkbox"/> The Dynamics of Substance Related Disorders <input type="checkbox"/> Co-dependency <input type="checkbox"/> Treatment modalities for substance — related disorders and nursing management
<p>XII</p>	<p>10</p>	<p style="text-align: center;">SCHIZOPHRENIA AND OTHER PSYCHOTIC DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nature of the disorder <input type="checkbox"/> Predisposing factors and psychopathology <input type="checkbox"/> Schizophrenia — types <ul style="list-style-type: none"> -Disorganized Schizophrenia -Catatonic Schizophrenia -Paranoid Schizophrenia -Undifferentiated Schizophrenia -Residual Schizophrenia <input type="checkbox"/> Other Psychotic Disorders <ul style="list-style-type: none"> -Schizoaffective disorders -Brief psychotic disorders -Schizophreniform disorders -Psychotic disorder due to a general medical condition. -Substance — induced psychotic disorders
		<ul style="list-style-type: none"> <input type="checkbox"/> Treatment and nursing management, <input type="checkbox"/> Historical perspectives

XIII	8	MOOD DISORDERS Historical Perspective Epidemiology and psychopathology The grief response <input type="checkbox"/> Maladaptive responses to loss <input type="checkbox"/> Types of mood disorders Depressive disorders Manic disorders Bipolar disorders <input type="checkbox"/> Treatment and nursing management
XIV	5	ANXIETY DISORDERS Historical perspectives Epidemiology and psychopathology Types Panic disorders Generalized anxiety disorders Phobias Obsessive compulsive disorders <input type="checkbox"/> Anxiety disorders due to general medical condition <input type="checkbox"/> Substance induced anxiety disorders Treatment modalities <input type="checkbox"/> Psycho pharmacology and nursing management
XV	4	ETHICAL AND LEGAL ISSUES IN PSYCHIATRY AND PSYCHIATRIC NURSING <input type="checkbox"/> Ethical considerations and dilemmas <input type="checkbox"/> Rights of mentally ill persons Mental health act <input type="checkbox"/> Legal issues in psychiatry <input type="checkbox"/> Legal role of nurse

PRACTICAL

Total -900 Hours

1 week - 48 Hours

CLINICAL ACTIVITIES

- History taking, Mental Status Examination & Nursing care plan - 10
- Psychometric assessment
 - Psycho education (Individualised) - 4
 - Drug study - 1
 - Personality assessment - 1
 - Process recording - 2
- Assisting with EEG, CT, MRI
- Therapies — (Participation & Observation)
- ECT with patient profile
- Group therapy with patient profile
- Family therapy with patient profile
- Psychotherapy with patient profile
- Counselling with patient profile
- Milieu therapy/therapeutic Milieu
- Occupational therapy
- Recreational therapy
- Music therapy
- Case presentation - 4
- Care analysis - 2
- Bed side clinic - 3
- Concept mapping - 2
- Critical pathways of care - 1
- Project

<u>Method of Evaluation</u>	Theory	Weightage
Sessional examinations (3)		50 %
Seminars		25%
Term Paper		25%
Total		100

Practical	
Ongoing clinical evaluation	40%
Internal practical examination	20%
Clinical Assignments	40%
Total	100

SL NO	AREA OF POSTING	NO. OF WEEKS
1	Acute psychiatric ward	4
2	Chronic psychiatric ward	4
3	Psychiatric emergency	2
4	OPD	2
5	Family psychiatry	1
6	Community mental health	2
7	Rehabilitation/ occupational therapy/ Half way home/Day care centre	2
8	De- addiction unit	2
	Total	19

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SECOND YEAR M.Sc NURSING NURSING MANAGEMENT

Placement: II Year

Hours of Instruction

Theory :150 Hours

Nurse Specialist :105 Hours

External :45 Hours

Practical :200 Hours

Total : 350 Hours

Course Description

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

COURSE CONTENT

Unit	Theory	Content
I	10 *EF5	<p>Introduction</p> <ul style="list-style-type: none"> • Concepts of Management Philosophy, theories, elements, Principles, -(Review). Functions of administration Indian Constitution, Indian Administrative system health care delivery system: <li style="padding-left: 20px;">National, State and Local Organisation and functions of nursing services and education at <li style="padding-left: 20px;">National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH.
II	10	<p>Nursing management</p> <p>Concept, types, principles and techniques</p> <p>Vision and Mission Statements</p> <p>Philosophy, aims and objective</p> <p>Current trends and issues in Nursing Administration</p> <p>Theories and models</p> <p>Application to nursing service and education</p> <p>Autonomy and accountability for nursing practice.</p>
III	15 EF5	<p>Planning and control</p> <p>Co-ordination and delegation</p> <p>Decision making – decentralization basic goals of decentralization.</p> <p>Strategic planning</p> <p>Operational plans</p> <p>Management plans</p> <p>Programme evaluation and review technique(PERT), Gantt chart,</p> <p>Management by objectives(MBO)</p> <p>Planning new venture</p> <p>Planning for change</p>

		Innovations in nursing Application to nursing service and education
IV	15 EF5	Organisation Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15 EF5	Human Resource for health Staffing Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) Estimation of nursing staff requirement- activity analysis Various research studies Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

<p>VI</p>	<p>15 EF5</p>	<p>Directing</p> <p>Roles and functions</p> <p>Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
<p>VII</p>	<p>10</p>	<p>Material management</p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care unit and Hospital</p> <p>Inventory control , Condemnation</p> <p>Application to nursing service and education</p>
<p>VIII</p>	<p>15 EF5</p>	<p>Controlling</p> <p>Quality assurance – Continuous Quality Improvement</p> <p>Standards, Models, Nursing audit</p> <p>Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education,</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedingsenquiryetc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p>

		Application to nursing service and education
IX	15 EF5	Fiscal planning Steps Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue Budget estimate, revised estimate, performance budget Audit Cost effectiveness Cost accounting Critical pathways Health care reforms Health economics Health insurance Budgeting for various units and levels Application to nursing service and education
X	10 EF5	Nursing informatics Trends General purpose Use of computers in hospital and community Patient record system Nursing records and reports Management information and evaluation system (MIES) E- nursing, Telemedicine, telenursing Electronic medical records
XI	10	Leadership Concepts, Types, Theories Styles Manager behavior Leader behavior , Assertiveness Effective leader: Characteristics, skills Group dynamics Power and politics , Visibility of nursing Lobbying Critical thinking and decision making

		Stress management Applications to nursing service and education
XII	10 EF5	Legal and ethical issues Laws and ethics Ethical committee Code of ethics and professional conduct Legal system: Types of law, tort law, and liabilities Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character Patient care issues, management issues, employment issues Medico legal issues Nursing regulatory mechanisms: licensure, renewal, accreditation Patients rights, Consumer protection act(CPA) Rights of special groups: children, women, HIV, handicap, ageing Professional responsibility and accountability Infection control Standard safety measures

***EF- External Faculty**

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions

12. Prepare a plan of action for performance appraisal
13. Identify the problems of the specialty units and develop plan of action by using problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.
16. Prepare a plan for disaster management
17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

Methods of Teaching

- Lecture cum discussion
- Seminar / Presentations
- Workshop

Methods of evaluation

- Tests
- Presentation
- Written assignments

Internal Assessment Techniques Weightage (%)

Sessional exam (3)	50
Assignments	25
Seminar/presentations	25

Total	100%
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Assignments

Theory

Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department.

Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.)

Performance Appraisal Format for Nursing Staf.

Practical

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1

Clinical Posting

Various Wards/ICUs of Hospital. - 4 Weeks

Office of Nursing Superintendent / Nursing Officer- 1 week

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**CLINICAL SPECIALTY-1I
MENTAL HEALTH (PSYCHIATRIC) NURSING-1I**

Placement- II Year

Hours of Instruction		Resource Persons	
Theory	-150 Hrs	Psychiatric Nursing Faculty	-100 Hrs
Practical	-1450 Hrs.	Psychiatrist	-30 Hrs
Total	-1600 Hrs.	Psychologist	-10 Hrs
		Psychiatric social worker	-10 Hrs

Course Description:

The course is designed to develop in depth knowledge in advanced concepts in psychiatry and psychiatric nursing and apply this knowledge in rendering comprehensive care to clients in different settings by collaborating psychiatric nursing with other disciplines and to assume expanded roles as nurse therapist, counsellor, educator, administrator and researcher in various settings.

Objectives:

1. Demonstrate advanced skills and competence in nursing management of patients with mental disorders in various settings.
2. Identify and care for special groups like children, adolescents, women, elderly abused and neglected, people living with HIV/AIDS.
3. Identify and manage psychiatric emergencies
4. Provide nursing care to critically ill patients with mental disorders.
5. Utilize the recent technology and various treatment modalities in management of patients with mental disorders.
6. Demonstrate skills in carrying out crisis intervention.
7. Incorporate evidence based nursing practices and identify the areas of research in the field of psychiatric nursing.
8. Prepare, design and layout for psychiatric units/emergency units.
9. Teach psychiatric nursing to undergraduate students.
10. Plan and organize in service education programmes in psychiatric nursing.

UNIT	TIME (HRS)	CONTENT
I	10	<p>CRISIS INTERVENTION</p> <ul style="list-style-type: none"> <input type="checkbox"/> Crisis: definition, types, phases. <input type="checkbox"/> Crisis Intervention strategies <input type="checkbox"/> Prevention of crises. <input type="checkbox"/> Role of Mental Health Nurse in crisis intervention <input type="checkbox"/> Effects of disaster, war, violence, terrorism, trauma in individuals and group. <input type="checkbox"/> Post traumatic stress disorder(PTSD)
II	15 (Psychi-5)	<p>PSYCHIATRIC EMERGENCIES Common psychiatric emergencies and management.</p> <p>The Suicidal Client</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology <input type="checkbox"/> Risk factors <input type="checkbox"/> Predisposing factors: theories of suicide, biological, psychological, sociological <input type="checkbox"/> Nursing management
III	5 (Psychi-5)	<p>MEDICAL CONDITIONS DUE TO PSYCHOLOGICAL FACTORS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Asthma <input type="checkbox"/> Coronary heart disease <input type="checkbox"/> Cancer <input type="checkbox"/> peptic ulcer <input type="checkbox"/> Essential hypertension <input type="checkbox"/> Migraine <input type="checkbox"/> Rheumatoid arthritis <input type="checkbox"/> Ulcerative colitis <p>Treatment and nursing management</p>
IV	10	<p>SOMATOFORM AND SLEEP DISORDERS</p> <p>Somatoform Disorders</p> <ul style="list-style-type: none"> <input type="checkbox"/> Historical aspects <input type="checkbox"/> Epidemiology

		<p>Somatoform autonomic dysfunction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Persistent somatoform Pain disorders <input type="checkbox"/> Body dysmorphic disorders <p>Non organic Sleep Disorders</p> <p>Treatment and nursing management</p>
V	5	<p>DISSOCIATIVE (CONVERSION) DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Historical aspects Epidemiology <input type="checkbox"/> classification <input type="checkbox"/> Treatment and nursing management
VI	5	<p>SEXUAL AND GENDER IDENTITY DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Development of human Sexuality • Gender identity disorders <ul style="list-style-type: none"> • Sexual Dysfunctions • Disorders of sexual preferences <input type="checkbox"/> Variation in sexual development & orientation <input type="checkbox"/> Treatment and nursing management
VII	5	<p>EATING DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology <input type="checkbox"/> Anorexia Nervosa • Bulimia Nervosa <input type="checkbox"/> Obesity <input type="checkbox"/> Treatment and nursing management
VIII	5	<p>ADJUSTMENT AND IMPULSE DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology <input type="checkbox"/> Adjustment disorders <input type="checkbox"/> Habit & Impulse Disorders <input type="checkbox"/> Treatment and nursing management
IX	15 (Psychi-5)	<p>PERSONALITY DISORDERS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology <input type="checkbox"/> Types of Personality Disorders <ul style="list-style-type: none"> <input type="checkbox"/> Paranoid Personality Disorder <input type="checkbox"/> Schizoid Personality Disorder

		<input type="checkbox"/> Dissocial Personality disorder
		<input type="checkbox"/> Emotionally unstable Personality Disorder <input type="checkbox"/> Histrionic Personality Disorder
		<ul style="list-style-type: none"> • Anankastic Personality Disorder <input type="checkbox"/> Anxious (Avoidant) Personality Disorder <input type="checkbox"/> Treatment and Nursing management
X	20 (Psychi.10)	DISORDERS OF INFANCY, CHILDHOOD, AND ADOLESCENCE <ul style="list-style-type: none"> <input type="checkbox"/> Review of theories of child and adolescent development Child psychiatric evaluation • Emotional and Behavioral problems of children and adolescents -concepts <input type="checkbox"/> Psychiatric illness in children and adolescents <input type="checkbox"/> Mental retardation- <ul style="list-style-type: none"> - Management Prevention & Rehabilitation Specific developmental disorders <ul style="list-style-type: none"> <input type="checkbox"/> Pervasive developmental disorders <input type="checkbox"/> Attention deficit hyper active disorders <input type="checkbox"/> Conduct Disorders <input type="checkbox"/> Separation anxiety disorders <input type="checkbox"/> Tourette's disorders Tic disorders <input type="checkbox"/> Non organic enuresis & encopresis <input type="checkbox"/> Disorders of social functioning with onset specific to childhood and adolescence.
XI	10 (Psychi-5)	GERIATRIC MENTAL HEALTH <ul style="list-style-type: none"> <input type="checkbox"/> Theories of ageing <input type="checkbox"/> Biological, psychological, and socio-cultural aspects of ageing

		<input type="checkbox"/> Special concerns of elderly population. <input type="checkbox"/> Psychiatric problems among elderly population. <input type="checkbox"/> Treatment and nursing management. <input type="checkbox"/> Rehabilitation
XII	5 (Psycho.)	WOMEN AND MENTAL HEALTH <input type="checkbox"/> Psychological problems related to menstruation, menopause, conception, pregnancy and puerperium. <input type="checkbox"/> Counselling- premarital, marital, and genetic Other psychosocial problems <input type="checkbox"/> Role of Nurse
XIII	5 (Psycho-5)	CLIENT WITH HIV/AIDS <input type="checkbox"/> Psycho- social problems of clients with HIV/AIDS <input type="checkbox"/> Counselling <input type="checkbox"/> Nursing management
XIV	10 (PSW-5H)	COMMUNITY MENTAL HEALTH NURSING <input type="checkbox"/> Concepts and models of community mental health <input type="checkbox"/> The community as a Client <ul style="list-style-type: none"> o Primary Prevention o Secondary prevention o Tertiary Prevention <input type="checkbox"/> The Role of the Nurse <input type="checkbox"/> National Mental Health programme (NMHP) <input type="checkbox"/> District Mental Health Programme (DMHP) <input type="checkbox"/> Community mental health centers: organization and functions.
XV	5	CLIENTS WITH LIFE THREATENING ILLNESSES <input type="checkbox"/> Loss and bereavement <input type="checkbox"/> Stages of grief and grief response Adaptive and mal adaptive response to grief <input type="checkbox"/> Grief counselling <input type="checkbox"/> Psychosocial concerns of clients and families with life threatening and debilitating illnesses <input type="checkbox"/> Nursing management

XVI	5	PROBLEMS RELATED TO ABUSE , VIOLENCE AND NEGLECT <ul style="list-style-type: none"> <input type="checkbox"/> Vulnerable groups - Women, Children, elderly, psychiatric patients, under privileged, differentially abled. <input type="checkbox"/> Prevention and management
XVII	5 (PSW)	PSYCHOSOCIAL REHABILITATION <ul style="list-style-type: none"> <input type="checkbox"/> Principles of rehabilitation <input type="checkbox"/> Disability assessment <input type="checkbox"/> Community based rehabilitation <ul style="list-style-type: none"> o Day care centers o Half way homes o Sheltered workshops o Correctional homes o Self help groups <input type="checkbox"/> Role of nurse
XVIII	5	ADMINISTRATION AND MANAGEMENT OF PSYCHIATRIC UNITS INCLUDING EMERGENCY UNITS <ul style="list-style-type: none"> <input type="checkbox"/> Design & layout <input type="checkbox"/> Planning, equipment, staffing and budgeting <input type="checkbox"/> Norms, policies and protocols for management of psychiatric patients in different settings <input type="checkbox"/> Quality assurance
XIX	5	EDUCATION AND RESEARCH IN PSYCHIATRIC CARE <ul style="list-style-type: none"> <input type="checkbox"/> In-service education programmes <input type="checkbox"/> Clinical teaching programs. <input type="checkbox"/> Scope, problems, and future perspectives of research in psychiatric nursing <input type="checkbox"/> Evidence based practice

PRACTICAL

Total-1450 Hours

SL NO	AREA OF POSTING	NO. OF WEEKS
1	Acute psychiatric ward	4
2	Chronic psychiatric ward	4
3	De- addiction unit	2
4	Psychiatric emergency unit	4
5	OPD	3
6	Child psychiatric unit and child guidance clinic	2
7	Family psychiatry	2
8	Filed visits	2
9	Rehabilitation/ occupational therapy	2
10	Community mental health	4
11	In-service education programme	1
	Total	30

*NIMHANS, Bangalore -4 weeks posting to be included in the area of posting

CLINICAL ACTIVITIES

- History taking, Mental Status
- Examination & Nursing care plan - 10
 - Psycho education - 1
 - Case presentation - 4
 - Care analysis - 2
 - Bed side clinic - 3
 - Participating in various therapies – Phramco therapy, ECT, Social/recreation therapy
 - Family therapy
 - Group therapy
 - Counselling
 - Cognitive Behavioral therapy

- Project work based on community care setting
- Field visits
- Play therapy
- Design floor plan of psychiatric unit

Method of Evaluation

Theory	Weightage
Sessional examinations – 3	50 %
Seminar	25 %
Term paper – 1	25 %
Total	100%
Practical	
Ongoing clinical evaluation	40 %
Clinical assignments	40 %
Internal practical examination	20 %
Total	100%

REFERENCES:-

- Kaplan and Sadock, Comprehensive Text Book of Psychiatry, Latest Edition, William And Wilkins Co. Baltimore.
- Gelder, Mayor and Cowen, Shorter Oxford Textbook of Psychiatry, Latest Edition, Oxford University Press.
- Burgess Wolbert Ann, Advanced Practice, Psychiatric Nursing, Latest Edition, Appleton & Large, Stanford, Connecticut
- Janosik& Davis, Mental Health & Psychiatric Nursing, Latest Edition, Little, Brown & Company. Boston.
- Varcarolis Elizabeth. M, Foundations of Psychiatric Mental Health Nursing, Latest Edition, W.B.SaundersCompany.Philadelphia.
- Carson & Arnold, Mental Health Nursing-The Nurse Patient Journey, Latest Edition, W.B.Saunders Company. Philadelphia.
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- Barbara Schoen Johnson, Adaptation & Growth- Psychiatric Mental Health Nursing, Latest Edition, Lippincott.
- WHO.ICD 10 Classification of Mental & Behavioural Disorder
- Shaffer David R. Developmental Psychology: Childhood & Adolescence, Brookes/Cole publishing Co, Pacific Grove.
- Wiener Jerry M(Editor), T.B of Child & Adolescent Psychiatry, American academy of child & adolescent Psychiatry, American Psychiatric Press.
- O tong Deborah Antai, Psychiatric Nursing : Biological & Behavioral concepts, Thomson Delmore Learning, Canada.
- Boyd Mary Ann, Psychiatric Nursing: Contemporary Practice, Lippincott Williams & Wilkins, New York.
- Redferrin Sally J & Ross Fiona M (Editors), Nursing Older People, Churchill Livingstone, Edinburgh.
- Lego Suzanne, Psychiatric Nursing: A Comprehensive Reference, Lippincott, Philadelphia.
- Shea A etal, Advanced Practice Nursing: Psychiatric & Mental health care, Mosby, St: Louis.
- Lueckenotte AG. Gerontologic nursing, Mosby, St: Louis.
- National and international journals in Psychiatry and Psychiatric nursing.

2.11 No: of hours per subject.

As given under “Content of each subject in each year “

2.12 Practical training.

As given under clause “Content of each subject in each year “

2.13 Records

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examinations.

2.14 Dissertation: Guide/Co-Guide/ Change of Guide

Dissertation

Every candidate pursuing M Sc Nursing course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis

containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within nine months from the date of commencement of the course on or before the dates notified by the University.** The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1	Submission of the research proposal	End of 9th month of 1st year
2	Submission of dissertation Final	End of 9th month of IIInd Year

The dissertation should be written under the following headings:

1. INTRODUCTION
2. REVIEW OF LITERATURE
3. METHODOLOGY
4. ANALYSIS & INTERPRETATION
5. RESULTS
6. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES

APPENDICES

Dissertation style: Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69”) and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Five copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21st month of commencement of the course.

Hall ticket for the second year examination should be issued to the candidate only after the dissertation has been submitted to the University.

Guidelines for submission of dissertation is given in Annexure

Research Guides

a) Qualification of Guide

Main guide: Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide: A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

b) Guide – Students Ratio

Maximum of 1:5 (including as co-guide)

Change of Guide –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

c) Research Committee

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

2.15 Speciality training if any

Nil

2.16 Project work to be done if any

As given under “Content of each subject in each year “

2.17 Any other requirements [CNE, Paper Publishing etc.]

As given under “Content of each subject in each year “

2.18 Prescribed/recommended textbooks for each subject

As given under “Content of each subject in each year “

2.19 Reference books

As given under “Content of each subject in each year “

2.20 Journals

As given under “Content of each subject in each year “

2.21 Logbook

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination

3. EXAMINATIONS

3.1. Eligibility to appear for exams [including Supplementary]

a) Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. **There is no provision for condonation of attendance for the PG candidates.**

b) Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

c) Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3.2. Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted once in a year after regular examination

3.3. Scheme of examination showing maximum marks and minimum marks

<i>1st year</i>	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Mental Health (Psychiatric) Nursing - 1	3	25	12.5	100	50	4 hrs	100		100		325
											850
<i>2nd year</i>	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		Total
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Management	3	25	12.5	100	50						125
Dissertation Viva							100	50	100	50	200
Mental Health (Psychiatric) Nursing -11	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											650
Total of Ist & IInd Year											1500

* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

**Nursing Research (Internal) =15 and Statistics (Internal) =1

1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.

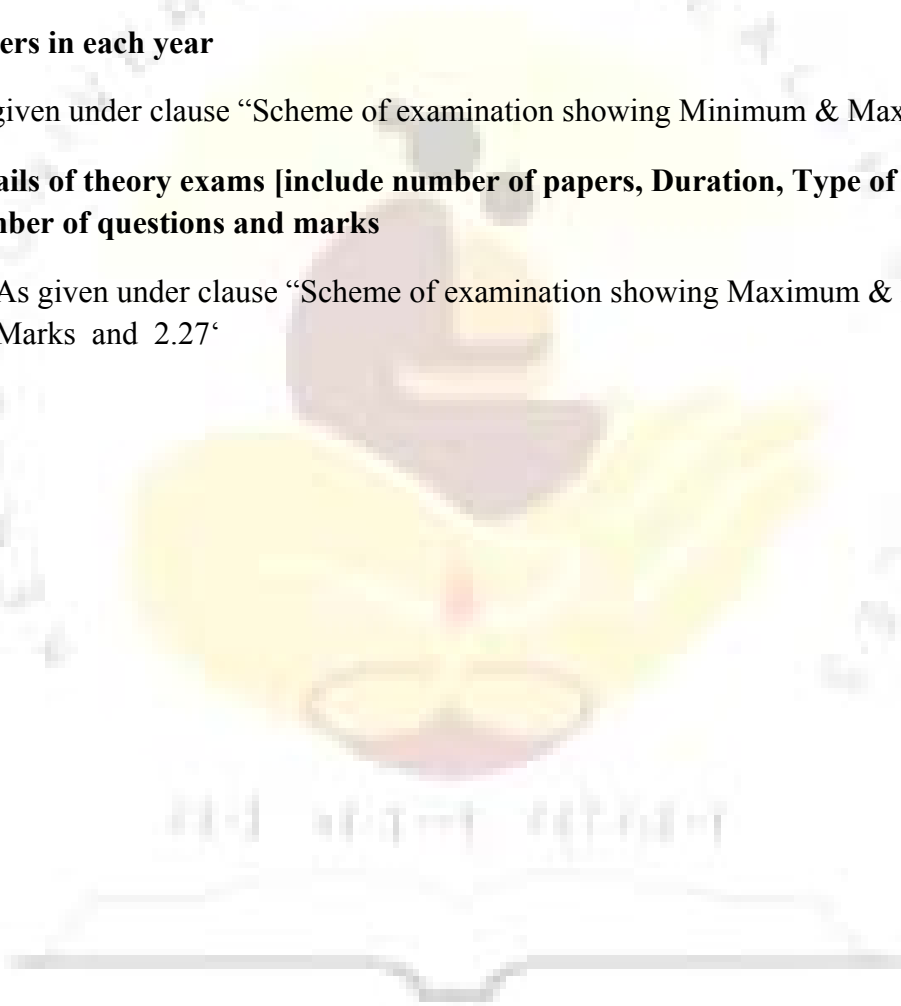
5. Maximum number of candidates for all practical examination should not exceed ten per day.
6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

3.4. Papers in each year

As given under clause “Scheme of examination showing Minimum & Maximum Marks “

3.5. Details of theory exams [include number of papers, Duration, Type of questions & number of questions and marks

As given under clause “Scheme of examination showing Maximum & Minimum Marks and 2.27“



3.6. Model question paper for each subject with question paper pattern

Question Paper Pattern

I) All subjects with Maximum Marks:100		
Long Essay	1x20 marks 1x15 marks	35 marks
Short Essay	4x10 marks	40marks
Short Notes	5x5 marks	25 marks
Total Marks		100 marks
II) Nursing Research Max.marks:75		
Long Essay	2x15 marks	30 marks
Short Essay	3x10 marks	30 marks
Short notes	3x 5 marks	15 marks
Total Marks		75 marks
III) Statistics : 25 marks		
Statistical Calculations	1x10 marks	10 marks
Short notes	3x5 marks	15 marks
Total Marks		25 marks

**I YEAR M.SC (NURSING) DEGREE EXAMINATION
ADVANCED NURSING PRACTICE**

Model question paper

Time : Three hours Maximum marks : 100 marks

Answer all questions

- I a. Define the concept of health promotion
b. Explain the major assumptions of Penders' Health promotion model.
c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.

(2+8+10 = 20 marks)

2. Mr. M is admitted in the surgical ward with hemorrhagic shock after a road traffic accident.

- a. Explain the pathophysiology of haemorrhagic shock
b. List any 3 nursing diagnosis according to priority for this patient and prepare a care plan.

(5+10=15marks)

3. Describe the basic elements and explain the barriers of communication (10 marks)
4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks)
5. Briefly explain the safe disposal of biomedical wastes (10 marks)
6. Explain the principles and techniques of counseling (10 marks)

Write short notes on (5x 5 = 25 marks)

7. Anti retroviral therapy
8. Use of computers in nursing practice
9. Haemodialysis
10. Metabolic acidosis
11. Genetic counseling

QP Code:

Reg. No.:.....

**FIRST YEAR M.Sc NURSING DEGREE EXAMINATION
NURSING RESEARCH & STATISTICS
MODEL QUESTION PAPER**

Time: Three Hours. Maximum: 100 Marks

Answer Section A and B in separate answer books

SECTION A : NURSING RESEARCH

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS'.
15
 2. Describe observation as a method of data collection.
15
 3. Explain the criteria for selection of a research problem.
10
 4. Describe the methods of controlling extraneous variables.
10
 5. Explain the different types of sampling.
10
- Write Short notes on
6. Evidence based practice.
 7. Grounded theory.
 8. Purposes of literature review. (3x5=15)

Section B: statistics

9. Which is the appropriate statistical test to conclude the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

NURSING EDUCATION

Model question paper

Time : 3 hrs

Max.marks:100

Answer All Questions

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)
3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in teaching. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structured practical examination
11. Formative and summative evaluation (5x5=25)

**FIRST YEAR M.Sc NURSING DEGREE EXAMINATION
CLINICAL SPECIALTY -1**

MENTAL HEALTH (PSYCHIATRIC) NURSING-1

Max. Marks :100 Time : 3 Hours

Model Question paper

Answer all questions

1.
 - a. Explain mental health services available in Kerala and India.
 - b. Discuss the scope, issues and challenges in Psychiatric Nursing.

(10+10=20 Marks)
 - 2.. Discuss the medical and nursing management of Mr. X with schizophrenia. (15)
 - 3 Explain the importance of therapeutic use of self and self awareness in psychiatric nursing practice. (10)
 4. Explain the principles of psychiatric nursing (10)
 5. Discuss the legal roles of a Psychiatric Nurse. (10)
 6. Describe the role of nurse while caring a patient with Alcohol Dependence syndrome (10)
- Write short notes on:
7. Transactional analysis.
 8. Critical path ways of care.
 9. Guidance and counselling.
 10. Clinical features of mania
 11. Phobia
- (5 x 5 =25 Marks)

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

Answer all questions

Time: 3 hrs

Max. marks: 100

Answer all questions.

1. Explain the principles of management with suitable examples. (20)
 2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)
 3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
 4. Explain the role of nurse administrator in supervision. (10)
 5. Explain the challenges and current trends in nursing administration. (10)
 6. Describe the steps of material management. (10)
- Write short notes (5x5=25)
7. Collective bargaining
 8. Nurses role in occupational health and safety.
 9. Legal issues in nursing
 10. Quality circle
 11. Conflict management

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

Clinical Speciality II - Mental Health (Psychiatric) Nursing

Time: 3 hrs Max. Marks: 100

Answer all questions

1. Explain the process of crisis intervention. Prepare an algorithm for the disaster management at district level. (10+10=20)
2. Discuss the psychosocial problems of people living with HIV/AIDS and nursing management strategies. (15)
3. Discuss the nurses' role in rehabilitation of chronic mentally ill clients. (10)
4. Explain the nursing care of a child with ADHD (10)
5. Describe community mental health practices in Kerala (10)
6. Psychosocial and socio cultural aspects of ageing (10)

Write Short notes:

(5x5=25)

7. Elder abuse
8. District mental health programme
9. Antisocial personality disorder
10. Dissociative disorders
11. Grief

3.7. Internal assessment component

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

3.8. Details of practical/clinical practicum exams.

Practicals

- 4 hours of practical examination per student.
- Maximum number of 10 students per day per specialty.
- The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- Follow the evaluation guidelines for the conduct of practical examinations, Refer 2.10.

3.9. Number of examiners needed (Internal & External) and their qualifications

- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

3.10. Details of viva:

Duration: Viva-Voce -minimum 30 minutes per student.

4. INTERNSHIP

4.1. Eligibility for internship

Not applicable.

4.2. Details of internship

Not applicable.

4.3. Model of Internship Mark lists

Not applicable.

4.4. Extension rules

As given under clause “Leave, vacation /holidays permitted “

4.5. Details of training given

Not applicable

5. ANNEXURES

5.1. Check Lists for Monitoring: Log Book, Seminar Assessment etc.

As given under “Content of each subject in each year “

5.2. Template for Dissertation

GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year

.....Title.....

By

Name of the Candidate

Dissertation submitted to the
Kerala University of Health Sciences
Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year

DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled
“.....Title.....” is a bonafide and genuine research work carried out by
me under the guidance of Name & designation of the Guide.

Signature of the candidate

Date:

Place:

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....
Title.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Guide

Name and designation

Date:

Place:

ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title
.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Principal

Name and designation

Date:

Place:

(College seal)

COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have
The rights to preserve, use and disseminate this dissertation in print or electronic
Format for academic/ research purpose.

Signature of the candidate

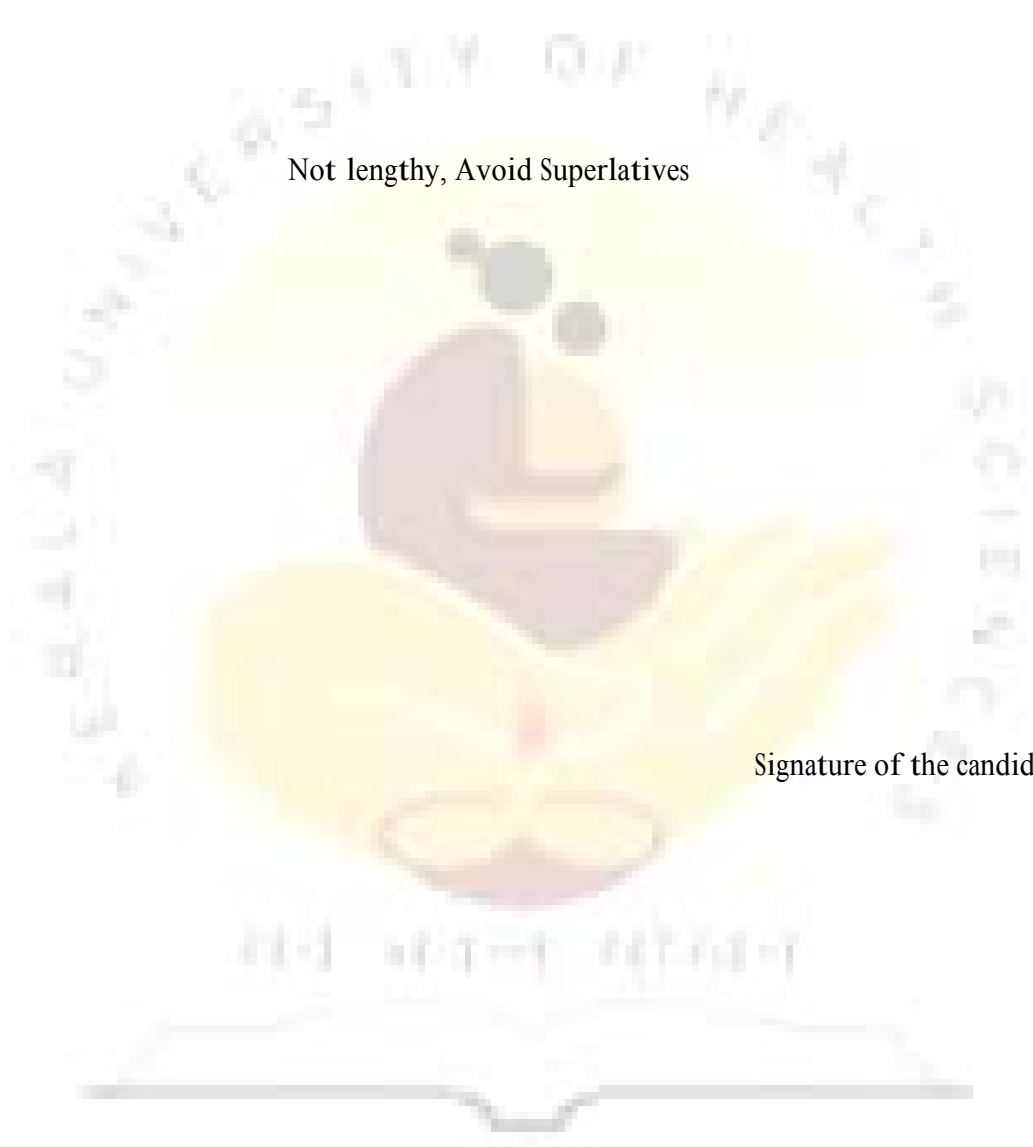
Date:

Place:

Name

ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives



Signature of the candidate

Date:

Place:

Name

ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)

TABLE OFCONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEWOFLITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS&INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	

LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
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1.

2.



LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
1.		
2.		



LIST OF APPENDICES (14size, Bold)

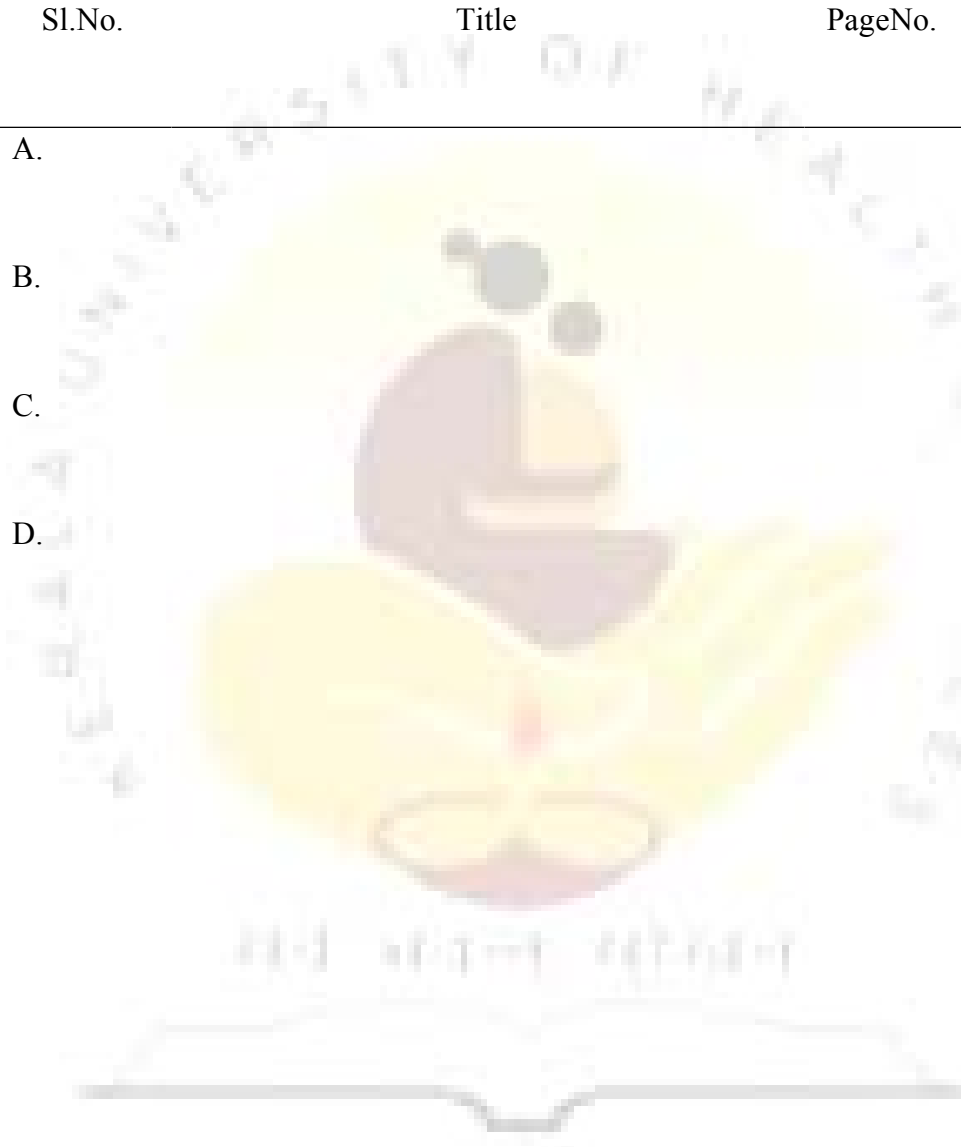
Sl.No.	Title	PageNo.
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A.

B.

C.

D.



CHAPTER 1

INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

Objectives

Operational definitions

Assumptions (if any)

Hypothesis (Write research hypothesis)

Conceptual/theoretical framework

CHAPTER 2 (14size, bold)
REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

CHAPTER 3 (14size,bold)

METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis

CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)



CHAPTER 5 (14size,bold

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size,bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

Limitations

Recommendations

Abstract

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.

Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

- I.) Bio- Data of the Guide
- II.) proposal of the study (maximum 4-6 pages)

Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

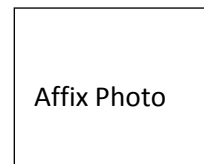
Tools/Instrument (English)

Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.

KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES

MEDICAL COLLEGE P.O., THRISSUR – 680 596



**PROFORMA FOR RECOGNITION OF POST GRADUATE
TEACHER [Read the instructions carefully before filling
up the proforma]**

1. NAME:
(in block letters)
2. DATE OF BIRTH: AGE:
(Attested copy of SSLC marks card / proof of date of birth to be enclosed)
3. PRESENT DESIGNATION:
4. DEPARTMENT:
5. ADDRESS:

<p>COLLEGE ADDRESS </p> <p>Phone (o) : Email: Hospital: College Fax:</p>	<p>PRESENT RESIDENTIAL</p> <p>ADDRESS</p> <p>Phone (R):</p>
---	---

6. QUALIFICATION:
(Attested Xerox copies of all the certificates to be enclosed)

Sl No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				

7. Teaching Experience

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	

Total teaching experience			
Total teaching experience	Before PG _____	After PG _____	Total _____

Note:

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)
(Regarding additional qualifications, achievements, publications, awards etc..)

Declaration by the Teacher

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

Signature of the Teacher

Endorsement by the Principal

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

Place :

Date :

Signature of the Principal

INSTRUCTIONS:

1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.

2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.



**KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596
POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR
CHANGE OF GUIDE**

**(Please Note: Change of guide is permitted only if the guide leaves
the college, transferred to another college, retires or expires.)**

Date:

A. Particulars of Candidate, and Existing Guide

Candidate's Name & Address :

Name of the Institution :

Course of Study & Subject :

Date of Admission to Course :

Title of the Topic :

Name & Designation of Existing Guide :

Signature of the Candidate :

B. PARTICULARS OF PROPOSED GUIDE

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

*If yes, please furnish the particulars of university letter & If No, Please send his/her
proforma for recognition as PG teacher*

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

C: Endorsement for change of guide

1. Remarks and Signature of the HOD :

2. Reason for change of guide:

Resigned / Retired/ any other

3. Remarks and Signature of the Principal:

Format for the submission of Dissertation Hard & Soft copy

Instructions to candidates

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

Paper

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

Type Size and Print

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

Pagination

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

Spacing

Use double spacing except for long quotations and footnotes which are single-spaced.

Margins

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.

Photographs

Professional quality black-and-white photographs are necessary for clear reproduction.

Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.

File Fomat

Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF, MPEG (moving picture expert) files format.

Labeling on CD

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

References

Vancouver style format.

5.3. Template for Mark List showing Maximum & Minimum

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg

No.

Name of the college

Name of course : M.Sc Nursing -Mental Health (Psychiatric) Nursing

Examination : First Year M.Sc Nursing Regular Examination

Date of publication

.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Mental Health Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg

No.

Name of the college

Name of course : M.Sc Nursing -Mental Health (Psychiatric) Nursing

Examination : Second Year M.Sc Nursing Regular Examination

Date of publication

.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality – II Mental Health (Psychiatric) Nursing	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination

Syllabus

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



MASTER OF SCIENCE IN NURSING

M.Sc Child Health (Paediatric) Nursing

Course Code 273

(2016-17 admission onwards)

2016

2. COURSE CONTENT

2.1 Title of course:

MASTER OF SCIENCE IN NURSING – Child Health (Paediatric) Nursing

2.2 Aim & Objectives of the Course

Aim

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

OBJECTIVES

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth.
11. Demonstrate advanced skills and competence in the nursing management of children with medical and surgical conditions in various settings.
12. Incorporate evidence based nursing practice and identify the areas of research

in the field of child health nursing.

13. Describe the recent advancements in the field of child health nursing.

14. Explain the legal and ethical issues pertaining to child health nursing.

15. Function as child health nurse specialist and practitioner.

2.3 Medium of instruction:

Medium of instruction shall be English

2.4 Course outline

1 year	Theory (hrs)	Practical (hrs)
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Child Health (Paediatric)		
Nursing-I	150	900
Total	600	1650
II Year	Theory (hrs)	Practical (hrs)
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
Child Health (Paediatric)		
Nursing -II	150	1450
Total	300	1950
Grand Total	900	3600

2.5 Duration

Duration of the course is for 2 years.

Weeks/year : 52 weeks

Leave : 3 weeks (20 days)

Preparation and Exam : 2 weeks

Total weeks available : 47 weeks

Total hours/week : 48 hours

48 hoursX47weeks : 2256 hour/year

2.6 Syllabus

As given under “Content of each subject in each year”. The concept of Health Care Counselling shall be incorporated in all relevant areas.

2.7 Total number of hours

As given under “Content of each subject in each year”

2.8 Branches if any with definition

Not Applicable

2.9 Teaching learning methods

As given in “Content of each subject in each year”

2.10 Content of each subject in each year

FIRST YEAR M.Sc NURSING

NURSING EDUCATION

Placement: 1st Year

Hours of Instruction

Theory 150 Hours
Nursing Faculty-115
External Faculty- 35
Practical 150 Hours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and

future trends.

6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education program Identify research priorities in nursing education.
12. Discuss various models of collaboration in nursing education and services.
13. Explain the concept, principles, steps, tools and techniques of Evaluation.
14. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Education :Definition, aims, concepts, philosophies, Formulation of philosophy & their implications on education (Review) <input type="checkbox"/> Impact of Social, economical, political & technological changes on education. <input type="checkbox"/> Professional education <input type="checkbox"/> Current trends and issues in education <input type="checkbox"/> Educational reforms and National Educational Policy, various educational commissions-reports <p>Nursing education- Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.</p>
II	20	<p>Curriculum Development Definition, curriculum determinants, process and steps of curriculum</p>

	<p>development, Types and framework.</p> <ul style="list-style-type: none"> □ Educational Objectives - types, domains, levels, elements and writing of educational objectives, □ selection of learning experiences □ Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan. □ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. □ Evaluation of educational programs in nursing- course and program. □ Equivalency of courses : Transcript , credit system.
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<p>III</p>	<p>20 *EF 10</p>	<p>Teaching – Learning Process</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning <input type="checkbox"/> Competency based education, outcome based education (OBE) <input type="checkbox"/> Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching. Innovative Strategies Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching Class room management and transactional analysis <input type="checkbox"/> Teacher - Roles & responsibilities, functions characteristics, competencies, qualities. <input type="checkbox"/> Preparation of professional teacher <input type="checkbox"/> Organizing professional aspects of teacher preparation programs. <input type="checkbox"/> Critical analysis of various programs of teacher education in India
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<p>IV</p>	<p>40</p> <p>EF20</p>	<p>Evaluation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity, reliability, usability <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation, <input type="checkbox"/> Evaluation strategies-meaning, characteristics. <input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks. <input type="checkbox"/> Item analysis <p>Non-standardized tests :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Essay, short answer questions and multiple choice questions, True & False, Completion.Tools of Evaluation-Rating scales, checklist,Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE),Viva Examination <input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal record, Attitude scale, critical incident technique. <input type="checkbox"/> Question bank-preparation, validation, moderation by panel. <p>Standardized Tools</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities. <input type="checkbox"/> Teacher Evaluation-Strategies
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V	15	<p>Instructional Media & Methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key concepts in the selection and use of media in education <input type="checkbox"/> Developing learning resource material using different Media. <input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization. <input type="checkbox"/> Teacher’s role in procuring and managing <input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc
VI	10	<p>Continuing Education in Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of learning, assessments of learning needs, priorities, resources. <input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs. <input type="checkbox"/> Research in continuing education. <input type="checkbox"/> Distance education in nursing
VII	5 EF5	<p>Guidance and counseling</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review). <input type="checkbox"/> Trends and issues in Guidance and counseling. <input type="checkbox"/> Guidance and counseling services: diagnostic and remedial.

		<ul style="list-style-type: none"> <input type="checkbox"/> Coordination and organization of services. <input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of counselor, problems in counseling. <p>Professional preparation and training for counseling</p>
VIII	25	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel. <input type="checkbox"/> <p>Role of curriculum coordinator – planning , implementation & Evaluation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Evaluation of educational programs in nursing- course & Program <input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together <input type="checkbox"/> Concept of faculty supervisor (dual) position. <input type="checkbox"/> Curriculum research in nursing. <p>Different models of collaboration between education and service</p>

IX	5	<p>Quality in Nursing Education</p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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* External Faculty (EF)

Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
 - Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation

- Tests
- Presentation
- Project work

Assignments –Theory

Lesson plan-2,courseplan -1,unit plan 2,rotation plan-2(master plan,clinical rotation)

Evaluation tool-construction,administration and evaluation(Essay,objectivetype,ratingscale,checklist)

Construction of an achievement test

Practical

Practice teaching using different strategies (lecture cum discussion-5,demonstration-2,seminar-1,clinicalteaching -2,symposium/role play/panel discussion)

Internal Assessment (Theory)

	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	100%

Practical – Internal assessment

Preparation of Learning resource material &	25%
Construction of tests/rotation plan.	
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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- ② Singh T Etal (2009) Principles of Medical Education New Delhi, Jaypee.
- ② Clement, Textbook on Communication & Educational Technology.
- ② Iwasiv C L etal(2010), —Curriculum development in Nursing Education||, New Delhi, Bartlett Publishers.
- ② National and international journals in nursing education

ADVANCED NURSING PRACTICE

Placement: 1st Year

Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self development and professional advancement.

COURSE CONTENT

Unit	Hours	Content
I	8	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: History and development of nursing profession, Perspectives <p>of Nursing Profession-National, global</p> <ul style="list-style-type: none"> <input type="checkbox"/> Code of ethics, code of professional conduct, autonomy and Legal considerations <input type="checkbox"/> Evidence Based Nursing Practice <input type="checkbox"/> Progressive Patient Care <input type="checkbox"/> Quality assurance in Nursing <input type="checkbox"/> Futuristic nursing.
II	5	<p>Health care delivery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health care environment, Health economics <p>Health care policy -National, State</p> <ul style="list-style-type: none"> <input type="checkbox"/> Policy and politics in Nursing <input type="checkbox"/> Health care delivery system- national, state, district and local level. <input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc <input type="checkbox"/> Patterns of nursing care delivery in India. <input type="checkbox"/> Health care delivery concerns <input type="checkbox"/> National health and family welfare programs:(Review) <input type="checkbox"/> Information, education and communication (IEC). <p>Tele-medicine.</p>
111	20	<p>Philosophy and Theories of Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Values, Conceptual models, approaches. <input type="checkbox"/> Nursing theories: Nightingale's, Hendersons's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications <p>Health promotion and health belief models</p>

		<input type="checkbox"/> Evidence based practice model.
1V	12 *EF8	Clinical Assessment-History taking and physical examination
V	6	Nursing process Review: Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
V1	15 EF10	Genetics <ul style="list-style-type: none"> <input type="checkbox"/> Molecular basis of the gene and transmission of genetic information <input type="checkbox"/> Recombination, Mutation, Pedigree analysis <input type="checkbox"/> Mapping the Human genome – Genome project. <input type="checkbox"/> Approaches to common genetic disorders-Monogenic and polygenic <input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, <input type="checkbox"/> Ethical, legal & psychosocial issues in genetic testing. <input type="checkbox"/> Genetic counseling. <input type="checkbox"/> Practical application of genetics in nursing.
V11	4 EF2	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Review :Epidemiological approach and methods <input type="checkbox"/> Concepts of causation of diseases and their screening, <input type="checkbox"/> Application of epidemiology in health care delivery <input type="checkbox"/> Health surveillance and health informatics <input type="checkbox"/> Role of nurse
V111	30	Bio-Psycho social pathology <ul style="list-style-type: none"> <input type="checkbox"/> Review: Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageingprocess,geriatric considerations in nursing, Psychosocial dynamics in causation of disease, life style disease Common problems and management: <input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency Haemodynamic monitoring Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS,Hemorrhage, shock,

		Altered body temperature, Unconsciousness, Insomnia, pain, Sensory deprivation, Immobility, Anaphylaxis, Septicaemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation, Emerging communicable diseases and biomedical waste management.
IX	15 EF5	<p>Psychological aspects and Human relations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs <input type="checkbox"/> Human Sexuality and sexual health. <input type="checkbox"/> Stress and adaptation, crisis and its intervention, <input type="checkbox"/> Coping with loss, death and grieving, <input type="checkbox"/> Principles and techniques of Counseling.
X	10	<p>Nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Framework, scope and trends. <input type="checkbox"/> Alternative modalities of care <input type="checkbox"/> Alternative systems of health and complimentary therapies. <input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. <input type="checkbox"/> Health promotion and primary health care. <input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner. <input type="checkbox"/> Collaboration issues and models-within and outside nursing. <p>Models of Prevention</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gender sensitive issues and women empowerment. <p>Disaster nursing.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Trans-cultural nursing.
XI	15	<p>Advanced nursing skills</p> <ul style="list-style-type: none"> <input type="checkbox"/> Definition, Indication and nursing implications: <input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS

10 EF5	<p>Computer applications for patient care delivery system and nursing practice</p> <ul style="list-style-type: none"> ☐ Use of computers in teaching, learning, research and nursing practice. ☐ Windows, MS office: Word, Excel, Power Point ☐ Internet-literature search, ☐ Statistical packages ☐ Hospital management information system: softwares
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Legend: *EF-External Faculty

Practical – 500 Hrs

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	Total	11

Activities

☐ Practice advance clinical procedures

- Prepare Care plan and care study based on nursing process and nursing theories 2 (Medial , Surgical)
- Care Analysis (Medial / Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching- 3

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion

- Debate
- Case Presentations
- Exposure to scientific conferences

Methods of evaluation:

Tests

- Presentation
- Seminar
- Written assignments

Advance Nursing Procedures

Definition, Indication and nursing implications:

- ☐ Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal paracentesis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

Internal Assessment

Theory	Weightage
Sessional exams (3)	50%
Assignment	25%
Seminar/presentation	25%
	100%

REFERENCE

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- Lewis, Heitkemper, Dirksen O Brien Brcher, Medical Surgical Nursing, Latest edn, Mosby Publishers.
- ☐ G M Dhar, I Robbani, Foundations of Community Medicine, Latest edn||, Elsevier Publishers.
- ☐ National and international journals in nursing practice, advanced nursing and critical care

NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

Part A: Nursing Research

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

COURSE CONTENT:

Unit	Theory hours	Content	Practical hours	Content
I	5	<p>Introduction Review:</p> <ul style="list-style-type: none"> • Problem solving and scientific method. <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Future trends in nursing research. <input type="checkbox"/> Problems and challenges in nursing research, health and social research. <input type="checkbox"/> Priorities for nursing research. <input type="checkbox"/> Evidence based practice. <input type="checkbox"/> Ethics in research 		
II	5	<p>Review of Literature</p> <ul style="list-style-type: none"> • Review- <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources • Guidelines for writing literature review. 	5	Literature search-web search

III	10	Research problem: <ul style="list-style-type: none"> <input type="checkbox"/> Identification of research problem/ research question. <input type="checkbox"/> Formulation of problem statement and research objectives <input type="checkbox"/> Definition of terms <input type="checkbox"/> Assumption and delimitations <input type="checkbox"/> Identification of variables <input type="checkbox"/> Hypothesis –definition, formulation and types. 	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	Developing theoretical /conceptual framework. <ul style="list-style-type: none"> <input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research <input type="checkbox"/> Using, testing and developing conceptual framework, models and theories. 	5	Developing theoretical /conceptual framework.
V	15	Research Approach and designs Qualitative and Quantitative, Mixed methods Qualitative research approaches: Grounded theory, phenomenology, ethnography, case study and historical research. Quantitative: Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	Sampling Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

VII	20	<p>a) Data collection methods and Tools: Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p>b) Measurement and data quality Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
VIII	3	Critical analysis of research reports and articles	15	Critical analysis of research reports and Articles
IX	4	Developing and presenting a research proposal	5	Presenting a research proposal
X	5	Implementing research plan Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data	40	Pilot study
XI	10	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion		
XII	10	Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA),		

		Utilization of research findings.		
		Writing scientific articles for publication: purposes & style		

Activities:

- ☐ Annotated Bibliography of research reports and articles. -4
- ☐ Review of literature of selected topic and reporting
- ☐ Formulation of problem statement, objective and hypothesis
- ☐ Developing theoretical /conceptual framework.
- ☐ Preparation of a sample research tool.
- ☐ Analysis and interpretation of given data
- ☐ Developing and presenting research proposal
- ☐ Journal presentation-1
- ☐ Critical evaluation of selected research studies –dissertaton-1,journal article -1
- ☐ Writing a scientific paper

Methods of Teaching:

- ☐ Lecture-cum-discussion
- ☐ Seminar/Presentations
- ☐ Project
- ☐ Class room exercises
- ☐ Journal club

Methods of Evaluation:

- ☐ Quiz, Tests(Term)
- ☐ Assignments/Term paper
- ☐ Presentations
- ☐ Project work (Concerned specialty)

Internal Assessment Techniques	Weightage (15 marks)
Sessional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
Total	100%

Part –B: Statistics (External Faculty)

Hours of Instruction

Theory 50Hours

Practical 25 Hours

Total 75 Hours

Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

Course content

Unit	Hours		Content
	Theory	Practical	
I	7		Introduction: <ul style="list-style-type: none"> □ Concepts, types, significance and scope of statistics, meaning of data □ Sample, parameter □ Type and levels of data and their Measurement <ul style="list-style-type: none"> □ Organization and presentation of data-Tabulation of data □ Frequency distribution □ Graphical and tabular presentations
II	4		Measures of central tendency: Mean, Median, Mode

III	4		Measures of variability: □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation
IV	3		Normal Distribution: □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		Measures of relationship: □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		Designs and meaning: □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		Significance of Statistic and Significance of difference between two Statistics(Testing hypothesis) □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- t' test, ANOVA,
VIII	5		Use of statistical methods in psychology and education □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	Application of statistics in health: Ratios, Rates, Trends Vital health statistics –Birth and death rates Measures related to fertility, morbidity and mortality
X	4	20	Use of Computers for data analysis Use of statistical package

Activities:

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package

Methods of Evaluation:

- Test, Classroom statistical exercises

Internal Assessment Techniques	weightage 10 marks
Sessional exams – (2)	100%

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- Wood, G.L. and Haber J. Nursing Research-methods and critical appraisal for evidence-based practice. Elsevier.
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- Sunder Rao. P.S.S. Jesudian, G. and Richard, J. An introduction to Biostatistics a manual for students in health sciences.

- Rose A Utely. Theory and Research for Academy Nurse Educators Application to Practice, Jones and Bartlett Publishers. Boston
- Nola A. Schmidt, Janet M Brown. Evidence Based Practice for Nurses Appraisal and Application of Research, Jones and Bartlett Publishers, New Delhi.
- Marylynn J Wood, Jannet C Ross Kerr. Basic Steps in Planning Nursing Research from question to Proposal, Jones and Bartlett Publishers, New Delhi.
- Mahajan. Methods in Biostatistics. Jaypee Brothers
- National and international journals in nursing practice, nursing education, nursing research



CHILD HEALTH (PAEDIATRIC) NURSING-I

Placement :1st Year

Hours of Instruction

Theory 150 Hours

External Faculty- 40 Hours

Internal Faculty- 110 Hours

Practical-900Hours

Total : 1050 Hours

Course Description

This course is designed to assist students in developing expertise and in depth understanding in the field of Child Health Nursing. It will help students to appreciate the child as a holistic individual and develop skill to function as neonatal and child health nurse specialist. It will further enable the student to function as educator, manager, and researcher in the field of Pediatric nursing.

Objectives

At the end of the course the students will be able to:

1. Appreciate the history and developments in the field of child health and child health nursing as a specialty.
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.
3. Perform physical, developmental, and nutritional assessment of pediatric clients
4. Apply nursing process in providing nursing care to neonates & children
5. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
6. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing
7. Describe various recent technologies and treatment modalities in the management of high risk children.
8. Incorporate evidence based nursing practice and identifies the areas of research in the field of pediatric/neonatal nursing

9. Recognize the role of pediatric nurse practitioner as a member of the pediatric and neonatal health team.
10. Teach pediatric nursing to undergraduate students & in-service nurses.

Unit	Hours	Content
I	10	<p>Introduction</p> <p>Review: -</p> <p>Historical development of Pediatrics and Pediatric Nursing in India;</p> <p>Current status of child health in India;</p> <p>Trends in Pediatrics and Pediatric Nursing, Principles of pediatric nursing</p> <p>Ethical and cultural issues in pediatric care</p> <p>Rights of children Nursing theories applicable to child health nursing : Orem's self care deficit, Kulebas theory of comfort , Neuman's system model, Katheryn E Barnard – child health assessment model</p> <p>National health policy for children, special laws and ordinances relating to children.</p> <p>National goals,</p> <p>Five year plans,</p> <p>National health programs related to child health ,National and International organizations related to child health,</p>
II	10 EF 5	<p>Assessment of pediatric clients</p> <p>History taking</p> <p>Developmental assessment</p> <p>Physical assessment</p> <p>Nutritional assessment</p> <p>Family assessment ,Dehydration assessment ,Emergency assessment</p>

III	5	<p>Hospitalized child</p> <p>Review:- Meaning of hospitalization to the child, preparation for hospitalization, effects of hospitalization on the child and family</p> <p>Stressors and reactions related to developmental stages, play activities for ill hospitalized child. Nursing care of hospitalized child and family.</p>
IV	10 EF 5	<p>Pre-natal Pediatrics</p> <p>Embryological and fetal development, Prenatal factors influencing growth and development of fetus,</p> <p>Genetic patterns of common pediatric disorders, chromosomal aberrations, genetic assessment and counseling, Legal and ethical aspects of genetic screening and counseling, role of nurse in genetic counseling, Importance of prenatal care and role of pediatric nurse.</p>
V	10	<p>Growth and Development of children</p> <p>Review: -Factors affecting growth and development</p> <p>Principles of growth and development,</p> <p>Concepts and theories of growth and development,</p> <p>Developmental tasks and special needs from infancy to adolescence, developmental milestones,</p> <p>Assessment of growth and development of pediatric clients, Play needs in different age group, Accidents in children</p> <p>Developmental Problems</p>

<p>VI</p>	<p>10</p> <p>EF 5</p>	<p>Behavioral Pediatrics and Pediatric Nursing</p> <p>Parent child relationship,</p> <p>Basic behavioral pediatric principles and specific behavioral pediatric concepts/disorders- maternal deprivation, failure to thrive, child abuse, battered child syndrome,</p> <p>Common behavioral problems and their management,</p> <p>Child guidance clinic.</p>
<p>VII</p>	<p>10</p> <p>EF 5</p>	<p>Preventive Pediatrics and Pediatric Nursing</p> <p>Concept, aims and scope of preventive pediatrics,</p> <p>Maternal health and its influence on child health, antenatal aspects of preventive pediatrics,</p> <p>Immunization, expanded program on immunization/ universal immunization program and cold chain,</p> <p>Nutrition and nutritional requirements of children, changing patterns of feeding, baby- friendly hospital initiative and exclusive breast feeding, Complementary feeding.</p> <p>Health education, nutritional education for children and mother</p> <p>Nutritional programs</p> <p>Role of pediatric nurse in the hospital and community.</p>
<p>VIII</p>	<p>10</p> <p>EF 5</p>	<p>Developmental disturbances and implications for nursing</p> <p>Learning disabilities</p> <p>Habit disorders, speech disorders,</p> <p>Conduct disorders,</p>

		Early infantile autism, Attention deficit hyperactive disorders (ADHD), depression and childhood schizophrenia
IX	10	<p>Challenged child and implications for nursing</p> <p>Physically challenged, causes, features, early detection & management</p> <p>Children with cerebral palsy</p> <p>Mentally challenged child.</p> <p>Training & rehabilitation of challenged children</p>
X	5	<p>Crisis and nursing intervention</p> <p>Hospitalized child – Crisis Intervention</p> <p>Terminal illness & death during childhood</p> <p>Nursing intervention-counseling , Adjustment reaction to school</p>
XI	5 EF 5	<p>Drugs used in Pediatrics</p> <p>Criteria for dose calculation</p> <p>Administration of drugs, oxygen and blood</p> <p>Drug interactions</p> <p>Adverse effects and their management</p>
XII	35 EF 10	<p>Neonatal Nursing</p> <p>New born baby: Concept, Goals, assessment, principles.</p> <p>- profile and characteristics of the new born,</p> <p>Nursing care of the new born at birth, care of the new born and family,</p> <p>Assessment of gestational age IUGR babies</p>

		<p>High Risk Newborn: Identification, classification and nursing management.</p> <p>Nursing management of</p> <ul style="list-style-type: none"> • Preterm, term neonate and growth retarded babies. • Post-mature infant, and baby of diabetic and substance use mothers. • Respiratory conditions, Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumo thorax, pneumo mediastinum • Icterus neonatorum. • Birth injuries. • Hypoxic ischaemic encephelopathy • Congenital anomalies. • Neonatal seizures. • Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia, Neonatal Hypothyroidism • Neonatal heart diseases. • Neonatal hemolytic diseases • Neonatal infections, neonatal sepsis, ophthalmia, neonatorum, congenital syphilis, HIV/AIDS • Advanced neonatal procedures. • Calculation of fluid requirements. • Hematological conditions – erythroblastosis fetalis, hemorrhagic disorder in the newborn
XIII	20	<p>IMNCI</p> <p>(Integrated management of neonatal and childhood illnesses)</p> <p>Essential New born care, facility based new born care</p>

EF 10: External Faculty

Practical Experience

Total = 900 Hours

1 Week = 48Hours

Sl no	Dept / unit	No of weeks
1.	Pediatric Medical ward	5
2.	Pediatric Surgery ward	2
3.	Labor room/ Maternity ward	1
4.	NICU	8
5.	Community	1
6.	Paed OPD	1
7.	Child guidance clinic	1
	TOTAL	19

Visit to Creche, Child guidance clinic, Anganwadi, Orphanage, Special schools for challenged children.

Clinical Assignments

- Care study – 1 neonatal
- Care analysis - 1
- Clinical presentations - 5
- Growth & developmental assessment – 5
- Health education –individual teaching -5
- Nutritional assessment - 3
- Term paper – 1

- Project

- Drug file
- Project
- Maintain Log book

Procedure to be performed/ assisted



- Assessment of Neonates: Identification & assessment of risk factors, APGAR Score, gestation age, anthropometric assessment
- Admission & discharge of neonates
- Feeding – management of breast feeding, artificial feeding, expression of breast milk
NG(Nasogastric) tube insertion, gavage feeding, TPN, Breast feeding counselling.
- Thermoregulation – Axillary temperature, Kangaroo Mother Care (KMC), Use of Radiant warmer, incubators, management of thermoregulation & control.
- Administration of drugs: I/M, IV injection, IV Cannulation & fixation infusion pump, calculation of dosages neonatal formulation of drugs, use of tuberculin/insulin syringes, Monitoring fluid therapy, Blood administration.
- Procedures for prevention of infections: Hand washing, disinfection & sterilization, fumigation
- Collection of specimens
- Setting, use & maintenance of basic equipment: Ventilator, O2 analyzer, monitoring equipment, Photo therapy unit, Flux meter, infusion pump, Radiant warmer, incubator, Centrifuge machine, Bilimeter, Refractometer, Laminar flow
- Umbilical catheterization – arterial and venous
- Arterial BP monitoring
- Blood transfusion – exchange transfusion full and partial
- Chest tube insertion
- Endotracheal intubation
- Ventilation
- Assist in surgery

Theory weightage		Practical weightage	
Sessional exams (3)	50%	Ongoing clinical evaluation	40%
Term paper -1	25%	Clinical assignments	40%
Seminars	25%	Internal practical	20%
Total	100%	examination Total	100

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2. Nageswara Prasad Vunnava, Essentials of neonatal emergencies and clinical guidelines , CBS Publishers & distributors, New Delhi.
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SECOND YEAR M.Sc NURSING NURSING MANAGEMENT

Placement: II Year

Hours of Instruction

Theory :150 Hours

Nurse Specialist :105 Hours

External :45 Hours

Practical :200 Hours

Total : 350 Hours

Course Description

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

COURSE CONTENT

Unit	Theory	Content
I	10 *EF5	<p>Introduction</p> <ul style="list-style-type: none"> • Concepts of Management Philosophy, theories, elements, Principles, -(Review). Functions of administration Indian Constitution, Indian Administrative system health care delivery system: <li style="padding-left: 20px;">National, State and Local Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH and plans
II	10	<p>Nursing management</p> <ul style="list-style-type: none"> Concept, types, principles and techniques Vision and Mission Statements Philosophy, aims and objective Current trends and issues in Nursing Administration Theories and models Application to nursing service and education Autonomy and accountability for nursing practice.
III	15 EF5	<ul style="list-style-type: none"> Planning and control Co-ordination and delegation Decision making – decentralization basic goals of decentralization. Strategic planning Operational plans Management plans Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO) Planning new venture Planning for change

		Innovations in nursing Application to nursing service and education
IV	15 EF5	Organisation Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15 EF5	Human Resource for health Staffing Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) Estimation of nursing staff requirement- activity analysis Various research studies Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

VI	15 EF5	Directing Roles and functions Motivation: Intrinsic, extrinsic, Creating motivating climate,
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		<p>Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
VII	10	<p>Material management</p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care: unit and Hospital</p> <p>Inventory control , Condemnation</p> <p>Application to nursing service and education</p>
VIII	15 EF5	<p>Controlling</p> <p>Quality assurance – Continuous Quality Improvement</p> <p>Standards, Models, Nursing audit</p> <p>Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education,</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedingsenquiryetc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p>

		Application to nursing service and education
IX	15 EF5	Fiscal planning Steps Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue Budget estimate, revised estimate, performance budget Audit Cost effectiveness Cost accounting Critical pathways Health care reforms Health economics Health insurance Budgeting for various units and levels Application to nursing service and education
X	10 EF5	Nursing informatics Trends General purpose Use of computers in hospital and community Patient record system Nursing records and reports Management information and evaluation system (MIES) E- nursing, Telemedicine, telenursing Electronic medical records
XI	10	Leadership Concepts, Types, Theories Styles Manager behavior

		<p>Leader behavior , Assertiveness</p> <p>Effective leader: Characteristics, skills</p> <p>Group dynamics</p> <p>Power and politics , Visibility of nursing</p> <p>Lobbying</p> <p>Critical thinking and decision making</p>
		<p>Stress management</p> <p>Applications to nursing service and education</p>
XII	10 EF5	<p>Legal and ethical issues</p> <p>Laws and ethics</p> <p>Ethical committee</p> <p>Code of ethics and professional conduct</p> <p>Legal system: Types of law, tort law, and liabilities</p> <p>Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character</p> <p>Patient care issues, management issues, employment issues</p> <p>Medico legal issues</p> <p>Nursing regulatory mechanisms: licensure, renewal, accreditation</p> <p>Patients rights, Consumer protection act(CPA)</p> <p>Rights of special groups: children, women, HIV, handicap, ageing</p> <p>Professional responsibility and accountability</p> <p>Infection control</p> <p>Standard safety measures</p>

***EF- External Faculty**

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel



8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal
13. Identify the problems of the specialty units and develop plan of action by using problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.
16. Prepare a plan for disaster management
17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

Methods of Teaching

- Lecture cum discussion
- Seminar / Presentations
- Workshop

Methods of evaluation

- Tests
- Presentation
- Written assignments

Internal Assessment Techniques	Weightage (%)
Sessional exam (3)	50
Assignments	25
Seminar/presentations	25
<hr/>	
Total	100%

Assignments

Theory



Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department. Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.) Performance Appraisal Format for Nursing Staff.

Practical

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1
Nursing Care Conference	1

Clinical Posting

Various Wards/ICUs of Hospital. - 4 Weeks
Office of Nursing Superintendent / Nursing Officer- 1 week

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- National and international journals in nursing administration and management.

CLINICAL SPECIALTY –II

PAEDIATRIC (CHILD HEALTH) NURSING - II

Placement: II Year

Hours of Instruction

Theory: 150 hrs

Practical: 1450 hrs

Total: 1600 hrs

Course Description

This course is designed to assist students in developing expertise and in- depth understanding in the field of Pediatric Nursing. It will help students to develop advanced skills for nursing intervention in various pediatric medical and surgical conditions. It will enable the student to function as pediatric nurse practitioner/specialist. It will further enable the student to function as educator, manager, and researcher in the field of Paediatric nursing.

Objectives

At the end of the course the students will be able to:

1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems
3. Recognize and manage emergencies in children
4. Provide nursing care to critically ill children
5. Recognize and manage emergencies in neonates.
6. Identify and utilize the recent technology and various treatment modalities in the management of high risk children
7. Prepare a design for layout and describe standards for management of pediatric units/hospitals
8. Identify areas of research in the field of pediatric nursing.

Medical conditions

Faculty: Internal 75

External 25

COURSE CONTENT

Unit	Hours	Content	Hours	Content
I	5	Introduction Current & Future role of pediatric nurse in various settings -Expanded and Extended		
11	8 EF-2	Medical conditions Pathophysiology, assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities and nursing intervention in selected pediatric medical disorders Child with respiratory disorders: Upper respiratory tract: choanal atresia, tonsillitis, epistaxis, aspiration. Lower respiratory tract: Broncheolitis, Bronchopneumonia, Asthma, croup, cystic fibrosis, Empyema, emphysema, pleuraleffusion, lung abscess	5 EF-2	Surgical conditions Assessment(including interpretation of various invasive and non-invasive diagnostic procedures), treatment modalities including cosmetic surgery and nursing interventions in selected pediatric surgical problems/ disorders
III	6 EF-4	Child with gastro-intestinal disorders: Diarrheal diseases, Protuberent abdomen, Abdominal pain, gastro-esophageal reflux Hepatic disorders: Hepatitis, Indian childhood cirrhosis, Wilson's disease, Reyes syndrome, Celiac Disease	8 EF-4	Cleft lip, cleft palate and conditions requiring plastic surgery, Tracheo esophageal fistula/atresia, Hirschsprungs' disease/megacolon, malrotation, intestinal obstruction, duodenal atresia, pyloric stenosis, gastrochisis,

		Malabsorption syndrome, Milk protein intolerance, Malnutrition; Deficiency disorders, inflammatory bowel diseases, worm infestations		exomphalus, anorectal malformation, omphalocele, diaphragmatic hernia
IV	5 EF-2	Child with renal/ urinary tract disorders: Nephrotic syndrome, Nephritis, urinary tract infections, Hydronephrosis, hemolytic-uremic syndrome, ARF Fluid electrolyte imbalance in children	4 EF-2	Hypospadias, Epispadias, Undescended testes, Exstrophy bladder Obstructive uropathy, Hydronephrosis,
V	5 EF-2	Child with cardio-vascular disorders: Acquired: Rheumatic fever, Rheumatic heart disease, CCF, Kawasaki's disease, Cardiomyopathy Congenital: Cyanotic and acyanotic	3 EF-2	Surgical Management of Congenital heart diseases.
VI	5	Child with endocrine/metabolic disorders: Diabetes insipidus, Diabetes Mellitus, hyper and hypo thyroidism, inborn errors of metabolism		
VII	5 EF-2	Child with Neurological disorders: seizure disorders, Epilepsy, Status epilepticus, Meningitis, encephalitis, Guillain-Barresyndrome, acute Flaccid paralysis	5 EF-2	Neural tube defects-Spina bifida, Meningocele, Myelomeningocele, hydrocephalus
VIII	6 EF-2	Child with oncological disorders: Leukemias, Lymphomas, Wilms' tumor, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone tumors, brain tumors	4 EF-2	Surgical management of Wilms' tumor, neuroblastomas, Rhabdomyosarcoma, retinoblastoma, hepatoblastoma, bone and brain tumors.
IX	5 EF-2	Child with blood disorders: Anemias, thalassemias, hemophilia, polycythemia, thrombocytopenia, and disseminated intravascular coagulation		
X	4	Child with skin disorders: Eczem, Ichthyosis, scabies, atopic dermatitis, staphylococcal scalded skin syndrome, vascular lesions, psoriasis		

XI	5 EF-2	Common Eye & ENT disorders: Nasal obstruction, Epistaxis, wax, otitis externa, otitis media, mastoiditis, childhood deafness, rhinitis, acute sinusitis, tonsillitis, adenoid hypertrophy, laryngeal stridor, congenital glaucoma, cataract, conjunctivitis, trachoma, retinoblastoma, Trauma, strabismus		
XII	6	Common Communicable diseases: TB, Polio, Diphtheria, pertussis, tetanus, chicken pox, measles, mumps, rubella, HIV/AIDS, H1N1, Chikungunya, leptospirosis, dengue, IMN		
XIII		Osteogenesis imperfecta	4	Anomalies of the skeletal system: Talipes, Hip dislocation
XIV			6 EF-2	Nursing management of the child with traumatic injuries: General principles of managing Pediatric trauma; Head injury, abdominal injury, poisoning, foreign body obstruction, burns
XV			2	Bites & Stings
XVI			5 EF-4	Organ transplantation Liver Kidney
XVII			4	Management of stomas, catheters and tubes Management of wounds and drainages
XVIII	20 EF-7	Intensive care for pediatric clients Resuscitation, and post resuscitation management		

		Care of critically ill child – physical, physiological, psychological, Legal and ethical issues in pediatric intensive care Intensive care procedures, central line, intra osseous, endotracheal intubation, mechanical ventilation, tracheostomy care, peritoneal dialysis, emergency medication. Documentation- ICU flow sheet		
X1X	10	Administration and management of pediatric care unit Design & layout, Staffing, Equipment, supplies, Norms, policies and protocols Practice standards for pediatric care unit Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU Documentation		
XX	5	Education and training in Pediatric care Staff orientation, training and development, In-service education program, Clinical teaching programs.		

EF-External faculty

Practical

Total = 1450 Hours

1 Week = 48 Hours



Sl. No.	Dept/ Unit	No. of Weeks
1.	Pediatric Medicine ICU	4
2.	Pediatric Surgical ICU	4
3.	NICU	4
4.	Pediatric OT	2
5.	Pediatric Medicine ward	7
6.	Pediatric Surgery ward	7
7.	Emergency/ Casualty	2
	Total	30

Clinical Assignments

- Care analysis – 2 (medical -1,Surgical -1)
- Clinical profile- 2
- Clinical presentations – 5
- Clinical teaching -3
- Term paper – 1
- Drug file
- Maintain Log book

Essential

I. Procedures to be observed:

- Echo cardiogram
- Ultrasound head
- ROP screening (Retinopathy of prematurity)
- Any other

II. Procedures to be Assisted

- Advanced neonatal life support
- Lumbar Puncture
- Arterial Blood Gas
- ECG Recording
- Umbilical catheterization – arterial and venous
- Arterial B P monitoring
- Blood transfusion- exchange transfusion full and partial
- IV cannulation& therapy
- Arterial catheterization
- Chest tube insertion
- Endotracheal intubation
- Ventilation
- Insertion of long line-arterial /Venous access
- Assist in surgery

III. Procedures to be Performed:

- Airway Management
 - Application of Oro Pharyngeal Airway
 - Oxygen therapy
 - CPAP(Continuous Positive Airway Pressure)
 - Care of Tracheostomy
 - Endotracheal Intubation

- Neonatal Resuscitation
- Monitoring of Neonates – clinically & with monitors, CRT(Capillary Refill Time), assessment of jaundice, ECG
- Gastric Lavage , Setting of Ventilators
- Phototherapy
- Assessment of Neonates: Identification & assessment of risk factors, APGAR Score, gestation age, Anthropometric assessment, Weighing the baby, Newborn examination, detection of life threatening congenital abnormalities,
- Admission & discharge of neonates
- Feeding - management of breast feeding, artificial feeding, expression of breast milk, OG(Orogastric) tube insertion, gavage feeding, TPN, Breast feeding counseling
- Thermoregulation- Axillary temperature, Kangaroo Mother Care (KMC), Use of Radiant warmer, incubators, management of thermoregulation & control
- Administration of Drugs: I/M, IV injection, IV Cannulation & fixation, infusion pump, Calculation of dosages, Neonatal formulation of drugs, use of tuberculin/ insulin syringes,
- Monitoring fluid therapy, Blood administration
- Procedures for prevention of infections: Hand washing, disinfections & sterilization, surveillance, fumigation
- Collection of specimens
- Setting, Use & maintenance of basic equipment: Ventilator, O2analyzer, monitoring equipment, Photo therapy unit, Flux meter, Infusion pump, Radiant warmer, incubator, Centrifuge machine, Bilimeter, Refractometer, laminar flow

IV. Other Procedures:

Internal Assessment

Theory weightage		Practical weightage	
Sessional exams -3	50%	Ongoing assessment	40%
Term paper - 1	25%	Clinical assignments	40%
Seminars/Presentations	25%	Internal examination	20%
Total	100%	TOTAL	100%

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2.11 No: of hours per subject.

As given under “Content of each subject in each year”

2.12 Practical training.

As given under “Content of each subject in each year “

2.13 Records

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examinations.

2.14 Dissertation: Guide/Co-Guide/ Change of Guide

Dissertation

Every candidate pursuing M .Sc Nursing course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within ninemonths from the date of commencement of the course on or before the dates notified by the University.** The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1	Submission of the research proposal	End of 9th month of 1st year
2	Submission of dissertation Final	End of 9th month of IIInd Year

The dissertation should be written under the following headings:

1. INTRODUCTION
2. REVIEW OF LITERATURE
3. METHODOLOGY
4. ANALYSIS & INTERPRETATION
5. RESULTS
6. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES

APPENDICES

Dissertation style: Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69") and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Four copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21st month of commencement of the course.

Hall ticket for the second year examination should be issued to the candidate.

only after the dissertation has been submitted to the University

Guidelines for submission of dissertation is given in Annexure

Research Guides

a) Qualification of Guide

Main guide: Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide: A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

b) Guide – Students Ratio

Maximum of 1:5 (including as co-guide)

Change of Guide –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

c) Research Committee

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

2.15 Speciality training if any

Nil

2.16 Project work to be done if any

Clinical Assignments as given in “Content of each subject in each year”

2.17 Any other requirements [CNE, Paper Publishing etc.]

As given under “Content of each subject in each year”

2.18 Prescribed/recommended textbooks for each subject

As given under “Content of each subject in each year”

2.19 Reference books

As given under “Content of each subject in each year”

2.20 Journals

As given under “Content of each subject in each year”

2.21 Logbook

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination

3. EXAMINATIONS

3.1. Eligibility to appear for exams [including Supplementary]

a). Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. **There is no provision for condonation of attendance for the PG candidates.**

b). Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

c). Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3.2. Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted once in a year after regular examination.

3.3. Scheme of examination showing maximum marks and minimum marks

1 st year	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Child Health (Paediatric) Nursing- 1	3	25	12.5	100	50	4 hrs	100		100		325

2 nd year	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		850
		Maxi mum	Mini mu m	Maxi mum	Min imu m		Max imu m	Mini mum	Maxi mum	Mini mum	Total
Nursing Management	3	25	12.5	100	50						125
Dissertation Viva							100	50	100	50	200
Child Health (Paediatric) Nursing -11	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											650
Total of Ist & IInd Year											1500

* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

**Nursing Research (Internal) =15 and Statistics (Internal) =10

1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.
5. Maximum number of candidates for all practical examination should not exceed ten per day.
6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

3.4. Papers in each year

As given under clause "Content of each subject in each year "



3.5. Details of theory exams [include number of papers, Duration, Type of questions & number of questions and marks

As given under “Scheme of examination showing Maximum and Minimum Marks and 3.6. “

3.6. Model question paper for each subject with question paper pattern

Question Paper Pattern

I) All subjects with Maximum Marks:100		
Long Essay	1x20 marks 1x15 marks	35 marks
Short Essay	4x10 marks	40marks
Short Notes	5x5 marks	25 marks
Total Marks		100 marks
II) Nursing Research Max.marks:75		
Long Essay	2x15 marks	30 marks
Short Essay	3x10 marks	30 marks
Short notes	3x 5 marks	15 marks
Total Marks		75 marks
III) Statistics : 25 marks		
Statistical Calculations	1x10 marks	10 marks
Short notes	3x5 marks	15 marks
Total Marks		25 marks

QP Code:

Reg. No.:.....

I YEAR M.SC (NURSING) DEGREE EXAMINATION

ADVANCED NURSING PRACTICE

Model question paper

Time: Three hours Maximum marks: 100 marks

Answer all questions

- I a. Define the concept of health promotion
- b. Explain the major assumptions of Penders' Health promotion model.
- c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.
(2+8+10 = 20 marks)

2. Mr. M is admitted in the surgical ward with hemorrhagic shock after road traffic accident.
 - a. Explain the pathophysiology of haemorrhagic shock
 - b. List any 3 nursing diagnosis according to priority for this patient and prepare a care plan.
(5+10=15marks)

3. Describe the basic elements and explain the barriers of communication (10 marks)
4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks)
5. Briefly explain the safe disposal of biomedical wastes (10 marks)
6. Explain the principles and techniques of counseling (10 marks)

- Write short notes on (5x 5 = 25 marks)
7. Anti retroviral therapy
8. Use of computers in nursing practice
9. Haemodialysis
10. Metabolic acidosis
11. Genetic counseling



QP Code:

Reg. No.:.....

FIRST YEAR M.Sc NURSING DEGREE EXAMINATION

NURSING RESEARCH & STATISTICS

MODEL QUESTION PAPER

Time: Three Hours. Maximum: 100 Marks

Answer Section A and B in separate answer books

SECTION A : NURSING RESEARCH

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS' 15
2. Describe observation as a method of data collection. 15
3. Explain the criteria for selection of a research problem. 10
4. Describe the methods of controlling extraneous variables. 10
5. Explain the different types of sampling. 10

Write Short notes on

6. Evidence based practice.
7. Grounded theory.
8. Purposes of literature review. (3x5=15)

Section B: statistics

9. Which is the appropriate statistical test to conclude in the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

NURSING EDUCATION

Model question paper

Time : 3 hrs

Max.marks:100

Answer All Questions

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)
3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in education. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structured practical examination
11. Formative and summative evaluation (5x5=25)

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

Model question paper

CHILD HEALTH NURSING I

Time 3 hrs

Answer all questions

Max marks 100

1. Discuss the indications and mechanism of action of exchange transfusion. Briefly explain the role on nurse to prevent complication (10+10)
2. Explain the concept and principles of integrated management of neonatal and child hood illness (15)
3. Describe the genetic pattern of common paediatric disorders (10)
4. Discuss the impact of maternal health on growth and development of Indian children (10)
5. Explain the learning disabilities and its management (10)
6. List the causes of cerebral palsy and describe the rehabilitation of a child with cerebral palsy (10)

Write Short notes

(5X5=25marks)

7. Cultural practices of nutritional assessment
8. Components of nutritional assessment
9. Behavioural problems of school children and their management
10. Concepts of preventive paediatrics
11. Essential care of a terminal ill child



QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

Answer all questions

Time: 3 hrs

Max. marks: 100

Answer all questions.

1. Explain the principles of management with suitable examples. (20)
 2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)
 3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
 4. Explain the role of nurse administrator in supervision. (10)
 5. Explain the challenges and current trends in nursing administration. (10)
 6. Describe the steps of material management. (10)
- Write short notes (5x5=25)
7. Collective bargaining
 8. Nurses role in occupational health and safety.
 9. Legal issues in nursing
 10. Quality circle
 11. Conflict management

First Year MSc Nursing Degree Examinations

Model question paper

CHILD HEALTH NURSING II

Time 3 hrs

Answer all questions

Max marks 100

1. Describe the signs and symptoms, pathophysiology and management of a child with bronchiolitis (4+6+10)
2. Explain in detail about the causes, signs and symptoms and pathophysiology of hydrocephalus (15)
3. Discuss the congenital cardiac defects with increased pulmonary flow under the following heading
 - Hemodynamic changes
 - Signs and symptoms (10)
4. Explain the immediate post operative management of a child with diaphragmatic hernia (10)
5. Discuss the ethical issues in child care (10)
6. Discuss the practice standards for paediatric care units (10)

Write Short notes

(5X5=25 marks)

7. Extended role of paediatric nurse
8. Nursing care of child with convulsions
9. Clinical features of rheumatic heart disease
10. Hirschsprungs' disease
11. Obstructive uropathy

3.7. Internal assessment component

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

3.8. Details of practical/clinical practicum exams to include Duration, Marks, Types of cases/ question

Practicals

- hours of practical examination per student.
- Maximum number of 10 students per day per specialty.
- The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- Follow the evaluation guidelines for the conduct of practical examinations Refer 2.10

3.9. Number of examiners needed (Internal & External) and their qualifications

- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

3.10. Details of viva:

Duration: Viva-Voce -minimum 30 minutes per student.

4. INTERNSHIP

4.1. Eligibility for internship

Not applicable.

4.2. Details of internship

Not applicable.

4.3. Model of Internship Mark lists

Not applicable.

4.4. Extension rules

As given under clause “ Leave , Vacation / Holidays permitted.

4.5. Details of training given

Not applicable.

5. ANNEXURES

5.1 Check Lists for Monitoring: Log Book, Seminar Assessment etc.

As given under clause “Content of each subject in each year”

5.2. Template for Dissertation

GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year

.....Title.....

By

Name of the Candidate

Dissertation submitted to the
Kerala University of Health Sciences
Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year



DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled
“.....Title.....” is a bonafide and genuine research work carried out by
me under the guidance of Name & designation of the Guide.

Signature of the candidate

Date:

Place:

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....
Title.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Guide

Name and designation

Date:

Place:



ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title
.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Principal

Name and designation

Date:

Place:

(College seal)



COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have
The rights to preserve, use and disseminate this dissertation in print or electronic
Format for academic/ research purpose.

Signature of the candidate

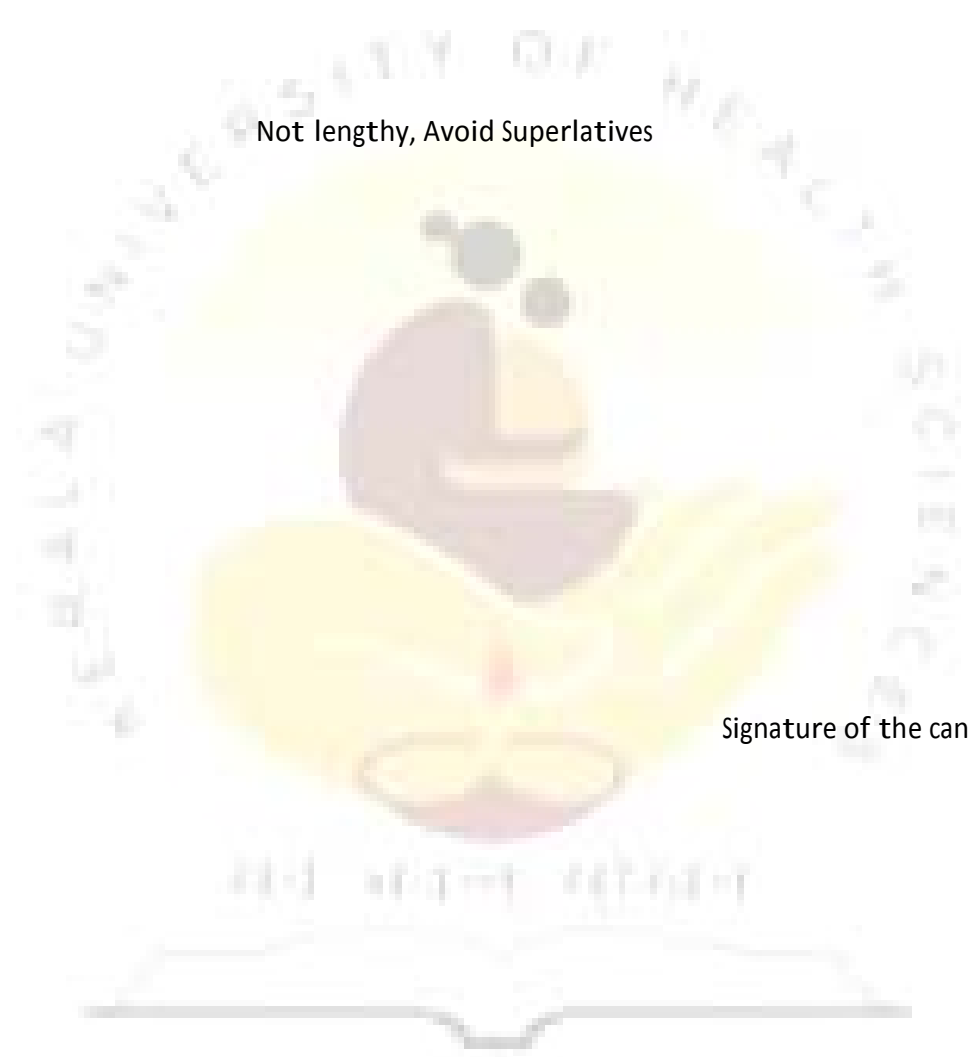
Date:

Place:

Name

ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives



Signature of the candidate

Date:

Place:

Name

ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)

TABLE OFCONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEWOFLITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS&INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	

LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
1.		
2.		



LIST OF APPENDICES (14size, Bold)

Sl.No.	Title	PageNo.
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A.

B.

C.

D.



CHAPTER 1

INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

Objectives

Operational definitions

Assumptions (if any)

Hypothesis (Write research hypothesis)

Conceptual/theoretical framework



CHAPTER 2 (14size, bold)

REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

CHAPTER 3 (14size,bold)

METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis



CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)



CHAPTER 5 (14size,bold

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size,bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

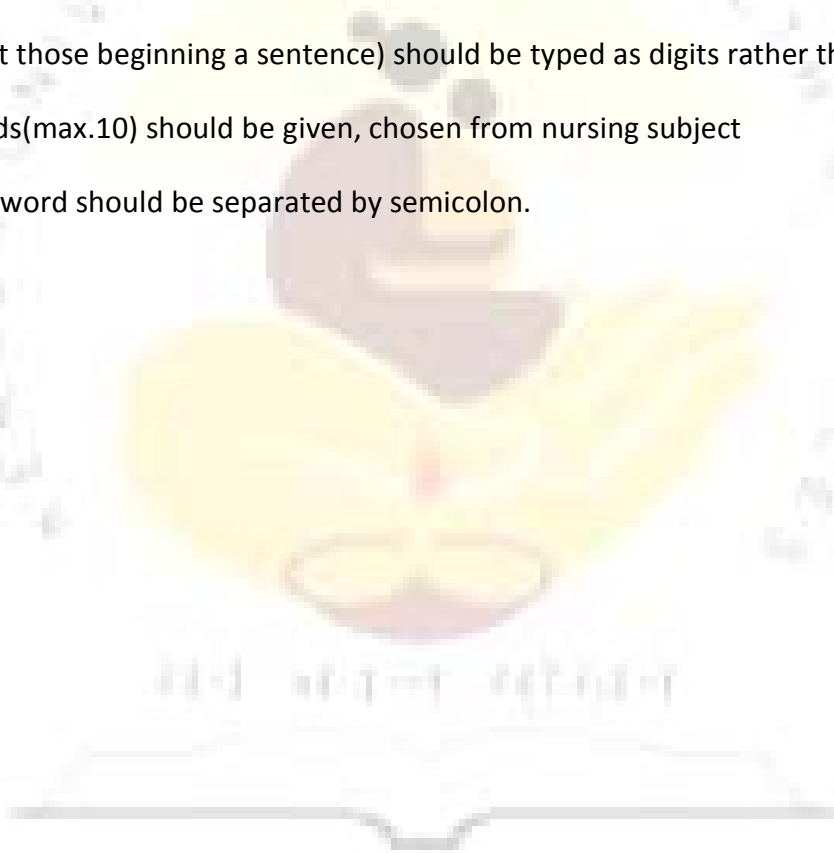
Limitations

Recommendations



Abstract

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.



Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

- I.) Bio- Data of the Guide
- II.) proposal of the study (maximum 4-6 pages)

Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

Tools/Instrument (English)

Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.

KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES

MEDICAL COLLEGE P.O., THRISSUR – 680 596



PROFORMA FOR RECOGNITION OF POST GRADUATE TEACHER

[Read the instructions carefully before filling up the proforma]

- 1. NAME:
(in block letters)
- 2. DATE OF BIRTH: AGE:
(Attested copy of SSLC marks card / proof of date of birth to be enclosed)
- 3. PRESENT DESIGNATION:
- 4. DEPARTMENT:
- 5. ADDRESS:

<p>COLLEGE ADDRESS</p> <p>Phone (o) : Email: Hospital: College Fax:</p>	<p>PRESENT RESIDENTIAL</p> <p>ADDRESS</p> <p>Phone (R):</p>
---	---

- 6. QUALIFICATION:
(Attested Xerox copies of all the certificates to be enclosed)

SI No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				

7. Teaching Experience

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	



Total teaching experience				
Total teaching experience		Before PG _____	After PG _____	Total _____

Note:

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)
(Regarding additional qualifications, achievements, publications, awards etc.,)

Declaration by the Teacher

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

Signature of the Teacher

Endorsement by the Principal

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

Place :

Date :

Signature of the Principal

INSTRUCTIONS:



1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.
2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.



KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596
POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR
CHANGE OF GUIDE

(Please Note: Change of guide is permitted only if the guide leaves the college, transferred to another college, retires or expires.)

Date:

A. Particulars of Candidate, and Existing Guide

Candidate's Name & Address :

Name of the Institution :

Course of Study & Subject :

Date of Admission to Course :

Title of the Topic :

Name & Designation of Existing Guide :

Signature of the Candidate :

B. PARTICULARS OF PROPOSED GUIDE

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

If yes, please furnish the particulars of university letter & If No, Please send his/her proforma for recognition as PG teacher

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

C: Endorsement for change of guide

1. Remarks and Signature of the HOD :

2. Reason for change of guide:

Resigned / Retired/ any other

3. Remarks and Signature of the Principal:

Format for the submission of Dissertation Hard & Soft copy

Instructions to candidates

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

Paper

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

Type Size and Print

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

Pagination

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

Spacing

Use double spacing except for long quotations and footnotes which are single-spaced.

Margins

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.



Photographs

Professional quality black-and-white photographs are necessary for clear reproduction. Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.

File Fomat

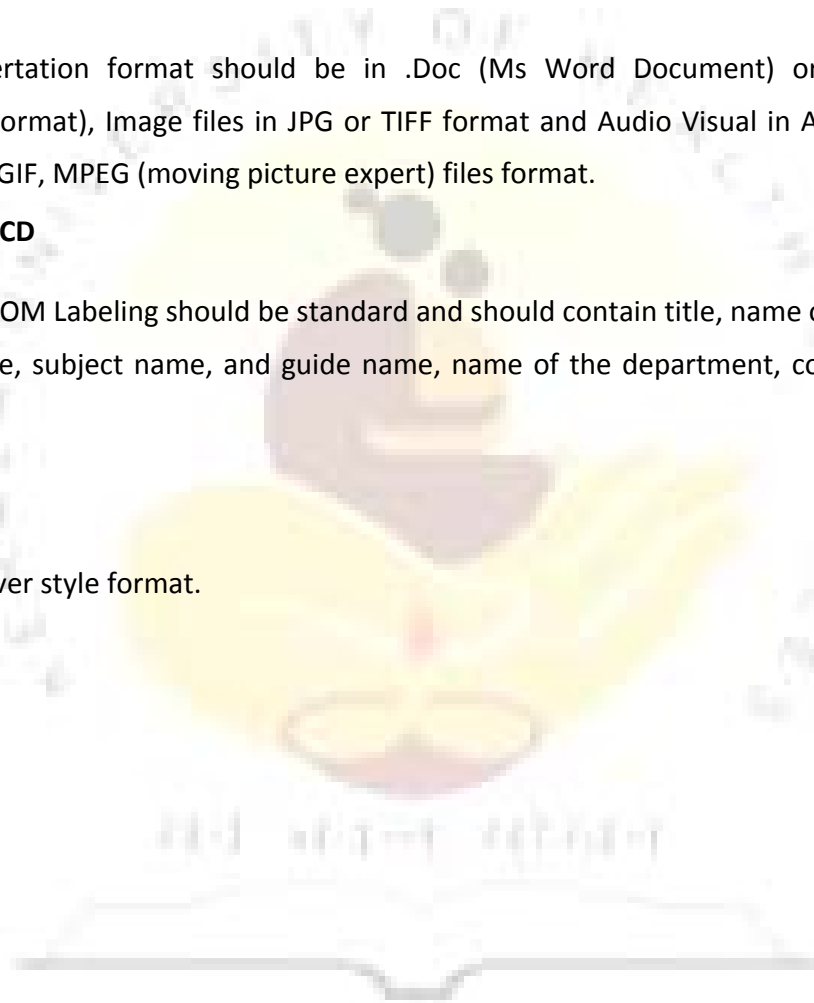
Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF, MPEG (moving picture expert) files format.

Labeling on CD

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

References

Vancouver style format.



5.3. Template for Mark List showing Maximum & Minimum

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

.....

Name of the college

Name of course: M.Sc Nursing -Child Health (Paediatric) Nursing

Examination : First Year M.Sc Nursing Regular Examination

Date of publication :

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Child Health Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

.....

Name of the college

Name of course : M.Sc Nursing -Child Health (Paediatric) Nursing

Examination :Second Year M.Sc Nursing Regular Examination

Date of publication :.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality - II Child Health (Paediatric) Nursing	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



Syllabus

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



MASTER OF SCIENCE IN NURSING

M.Sc. Community Health Nursing

Course Code 274

(2016-17 admission onwards)

2016

2. COURSE CONTENT

2.1 Title of course:

MASTER OF SCIENCE IN NURSING – Community Health Nursing

2.2. Aim and Objectives of the Course

Aim

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

Objectives

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth.
11. Incorporate evidence based nursing practice and identify the areas of research in the field of community health nursing.
12. Describe the recent advancements in the field of community health nursing.
13. Explain the legal and ethical issues pertaining to community health nursing.
14. Function as community health nurse specialist.

2.3. Medium of instruction:

Medium of instruction shall be English.

2.4. Course outline

1 year	Theory (hrs)	Practical (hrs)
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Community Health Nursing-I	150	900
Total	600	1650
II Year	Theory (hrs)	Practical (hrs)
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
Community Health Nursing -II	150	1450
Total	300	1950
Grand Total	900	3600

2.5. Duration

Duration of the course is for 2 years.

Weeks/year : 52 weeks

Leave : 3 weeks (20 days)

Preparation and Exam : 2 weeks

Total weeks available : 47 weeks

Total hours/week : 48 hours

48 hoursX47weeks : 2256 hour/year

2.6. Syllabus

As given under "Content of each subject in each year"

The concept of Health Care Counselling shall be incorporated in all relevant areas

2.7. Total number of hours

As given under "Content of each subject in each year "

2.8. Branches if any with definition

Not Applicable

2.9. Teaching learning methods

As given under “Content of each subject in each year “

2.10. Content of each subject in each year

FIRST YEAR M.Sc NURSING

NURSING EDUCATION

Placement: 1st Year

Hours of Instruction

Theory 150 Hours
Nursing Faculty-115
External Faculty- 35
Practical 150 Hours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.

8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of Evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Education :Definition, aims, concepts, philosophies, Formulation of philosophy & their implications on education (Review) <input type="checkbox"/> Impact of Social, economical, political & technological changes on education. <input type="checkbox"/> Professional education <input type="checkbox"/> Current trends and issues in education <input type="checkbox"/> Educational reforms and National Educational Policy, various educational commissions-reports <p>Nursing education- Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.</p>
II	20	<p>Curriculum Development Definition, curriculum determinants, process and steps of curriculum development, Types and framework.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Educational Objectives - types, domains, levels, elements and writing of educational objectives, <input type="checkbox"/> selection of learning experiences <input type="checkbox"/> Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan.

	<ul style="list-style-type: none"> □ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. □ Evaluation of educational programs in nursing-course and program. <ul style="list-style-type: none"> □ Equivalency of courses : Transcript , credit system
--	--

III	20 *EF 10	<p style="text-align: center;">Teaching – Learning Process</p> <ul style="list-style-type: none"> □ Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning □ Competency based education, outcome based education(OBE) □ Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching. <p style="text-align: center;">Innovative Strategies</p> <p style="text-align: center;">Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching</p> <p style="text-align: center;">Class room management and transactional analysis</p> <ul style="list-style-type: none"> □ Teacher - Roles & responsibilities, functions characteristics, Competencies, qualities. □ Preparation of professional teacher □ Organizing professional aspects of teacher preparation programs. India
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<p>IV</p>	<p>40</p> <p>EF20</p>	<p>Evaluation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity. reliability. usability <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation, <input type="checkbox"/> Evaluation strategies-meaning, characteristics. <input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks. <input type="checkbox"/> Item analysis <p>Non-standardized tests :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Essay, short answer questions and multiple choice questions, True & False, Completion.Tools of Evaluation-Rating scales, checklist,Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE),Viva Examination <input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal record, Attitude scale, critical incident technique. <input type="checkbox"/> Question bank-preparation, validation, moderation by panel. <p>Standardized Tools</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities. <input type="checkbox"/> Teacher Evaluation-Strategies
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<p>V</p>	<p>15</p>	<p>Instructional Media & Methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key concepts in the selection and use of media in education <input type="checkbox"/> Developing learning resource material using different Media. <input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization. <input type="checkbox"/> Teacher’s role in procuring and managing <input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc
<p>VI</p>	<p>10</p>	<p>Continuing Education in Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of Adult Learning, assessments of learning needs, priorities, resources. <input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs. <input type="checkbox"/> Research in continuing education. <input type="checkbox"/> Distance education in nursing
<p>VII</p>	<p>5 EF5</p>	<p>Guidance and counseling</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review). <input type="checkbox"/> Trends and issues in Guidance and counseling. <input type="checkbox"/> Guidance and counseling services: diagnostic and remedial. <input type="checkbox"/> Coordination and organization of services. <input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of counselor, problems in counseling. <p>Professional preparation and training for counseling</p>

VIII	25	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel. <input type="checkbox"/> Role of curriculum coordinator – planning , implementation & Evaluation <input type="checkbox"/> Evaluation of educational programs in nursing- course & Program <input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together <input type="checkbox"/> Concept of faculty supervisor (dual) position. <input type="checkbox"/> Curriculum research in nursing. <p>Different models of collaboration between education and service</p>
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IX	5	<p>Quality in Nursing Education</p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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* External Faculty (EF)

Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
 - Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation

- Tests
- Presentation
- Project work

Assignments –Theory

Lesson plan-2,courseplan -1,unit plan 2,rotation plan-2(master plan,clinical rotation)

Evaluation tool-construction,administration and evaluation(Essay,objectivetype,ratingscale,checklist)

Construction of an achievement test

Practical

Practice teaching using different strategies (lecture cum discussion-5,demonstration-2,seminar-1,clinicalteaching -2,symposium/role play/panel discussion)

Internal Assessment (Theory)

	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	100%

Practical – Internal assessment

Preparation of Learning resource material &	25%
Construction of tests/rotation plan.	
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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- National and international journals in nursing education

ADVANCED NURSING PRACTICE

Placement: 1st Year

Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self development and professional advancement.

COURSE CONTENT

Unit	Hours	Content
I	8	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: History and development of nursing profession, Perspectives <p>of Nursing Profession-National, global</p> <ul style="list-style-type: none"> <input type="checkbox"/> Code of ethics, code of professional conduct, autonomy and Legal considerations <input type="checkbox"/> Evidence Based Nursing Practice <input type="checkbox"/> Progressive Patient Care <input type="checkbox"/> Quality assurance in Nursing <input type="checkbox"/> Futuristic nursing.
II	5	<p>Health care delivery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health care environment, Health economics <p>Health care policy -National, State</p> <ul style="list-style-type: none"> <input type="checkbox"/> Policy and politics in Nursing <input type="checkbox"/> Health care delivery system- national, state, district and local level. <input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc <input type="checkbox"/> Patterns of nursing care delivery in India. <input type="checkbox"/> Health care delivery concerns <input type="checkbox"/> National health and family welfare programs:(Review) <input type="checkbox"/> Information, education and communication (IEC). <p>Tele-medicine.</p>
111	20	<p>Philosophy and Theories of Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Values, Conceptual models, approaches. <input type="checkbox"/> Nursing theories: Nightingale's, Henderson's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications <p>Health promotion and health belief models.</p>

		<input type="checkbox"/> Evidence based practice model.
IV	12 *EF8	Clinical Assessment-History taking and physical examination
V	6	Nursing process Review: Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
V1	15 EF10	Genetics <ul style="list-style-type: none"> <input type="checkbox"/> Molecular basis of the gene and transmission of genetic information <input type="checkbox"/> Recombination, Mutation, Pedigree analysis <input type="checkbox"/> Mapping the Human genome – Genome project. <input type="checkbox"/> Approaches to common genetic disorders-Monogenic and polygenic <input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, <input type="checkbox"/> Ethical, legal & psychosocial issues in genetic testing. <input type="checkbox"/> Genetic counseling. <input type="checkbox"/> Practical application of genetics in nursing.
V11	4 EF2	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Review :Epidemiological approach and methods <input type="checkbox"/> Concepts of causation of diseases and their screening, <input type="checkbox"/> Application of epidemiology in health care delivery <input type="checkbox"/> Health surveillance and health informatics <input type="checkbox"/> Role of nurse
V111	30	Bio-Psycho social pathology <ul style="list-style-type: none"> <input type="checkbox"/> Review: Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageing process,geriatric considerations in nursing, Psychosocial dynamics in causation of disease, life style disease Common problems and management: <input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency Haemodynamic monitoring <ul style="list-style-type: none"> Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS,Hemorrhage, shock, Altered body temperature, Unconsciousness, Insomnia, pain,

		Sensory deprivation, Immobility, Anaphylaxis, Septicaemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation, Emerging communicable diseases and biomedical waste management.
IX	15 EF5	<p>Psychological aspects and Human relations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs <input type="checkbox"/> Human Sexuality and sexual health. <input type="checkbox"/> Stress and adaptation, crisis and its intervention, <input type="checkbox"/> Coping with loss, death and grieving, <input type="checkbox"/> Principles and techniques of Counseling.
X	10	<p>Nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Framework, scope and trends. <input type="checkbox"/> Alternative modalities of care <input type="checkbox"/> Alternative systems of health and complimentary therapies. <input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. <input type="checkbox"/> Health promotion and primary health care. <input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner. <input type="checkbox"/> Collaboration issues and models-within and outside nursing. <p>Models of Prevention</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gender sensitive issues and women empowerment. <p>Disaster nursing.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Trans-cultural nursing.
XI	15	<p>Advanced nursing skills</p> <ul style="list-style-type: none"> <input type="checkbox"/> Definition, Indication and nursing implications: <input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS

10 EF5	<p>Computer applications for patient care delivery system and nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use of computers in teaching, learning, research and nursing practice. <input type="checkbox"/> Windows, MS office: Word, Excel, Power Point <input type="checkbox"/> Internet-literature search, <input type="checkbox"/> Statistical packages <input type="checkbox"/> Hospital management information system: softwares
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Legend: *EF-External Faculty

Practical – 500 Hrs

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	Total	11

Activities

Practice advance clinical procedures

- Prepare Care study and care plan based on nursing process and nursing theories (Medial ,Surgical)
- Care Analysis (Medial/ Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching-3

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion

- Debate
- Case Presentations
- Exposure to scientific conferences

Methods of evaluation:•

Tests

- Presentation
- Seminar
- Written assignments

Advance Nursing Procedures

Definition, Indication and nursing implications:

- Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal parecentasis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

Internal Assessment

Theory	Weightage
Sessional exams (3)	50%
Assignment	25%
Seminar/presentation	25%
	100%

REFERENCE

- Moyet Carpenito, Nursing Diagnosis.'Lippincott.Latestedn .
- Tucker,Susan Martin etal. Patient Care Standards' Latestedn .Mosby.
- Guyton ettall, Textbook of Medical Physiology|| Latest edn .Saunders.
- Gordin ,Janet W. Nursing Diagnosis|| Latest edn Jones and Bartlett Publishers.
- Anne M Barker, Advance Practice Nursing edited by AnneM Barker, Johns and Bertlett Publishers, New Delhi
- Lemone ,Lillis ,Taylor , Fundamentals of Nursing Latest edn .
- Wilson,Jennie Infection control in Clinical Practice .Latest ednBailliere Tindal.

- Ciliska ,Dicenso ,Guyatt .||Evidence –based Nursing|| Elsevier .
- Speakman,Alizabeth , Body fluids and electrolytes|| Latest edn .
- BerMn ,Snyder,Kozier,erb, Fundamentals of Nursing, Latest edn .
- Ann MarrinerTomey, Nursing Theorist and Their Work||, Latest edn, Mosby, Elsevier.
- Martha RailaAlligood, Ann MarrinerTomey, Nursing Theory Utilization & Application||, Elsevier.
- Dee Mc Gonigle, Kathleen Mastriau,Nursing Informatics & Foundations of Knowledge||, Jones & Bartlett Publishers New delhi.
- Catheleene Masters, Role development in Professional Nursing Practice||, Jones & Bartlett Publishers Boston.
- Janie B Butts Karen L Rich, Nursing ethics across the curriculum and into practice||.
- Lewis, Heitkemper, Dirksen O Brien Brcher, Medical Surgical Nursing,Latestedn, Mosby Publishers.
- G M Dhar, I Robbani, Foundations of Community Medicine, Latest edn||, Elsvier Publishers.
- National and international journals in nursing practice, advanced nursing and critical care

NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

Part A: Nursing Research

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

COURSE CONTENT:

Unit	Theory hours	Content	Practical hours	Content
I	5	<p>Introduction Review:</p> <ul style="list-style-type: none"> • Problem solving and scientific method. <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Future trends in nursing research. <input type="checkbox"/> Problems and challenges in nursing research, health and social research. <input type="checkbox"/> Priorities for nursing research. <input type="checkbox"/> Evidence based practice. <input type="checkbox"/> Ethics in research 		
II	5	<p>Review of Literature</p> <ul style="list-style-type: none"> • Review- <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources • Guidelines for writing literature review. 	5	Literature search-web search

III	10	Research problem: <ul style="list-style-type: none"> <input type="checkbox"/> Identification of research problem/ research question. <input type="checkbox"/> Formulation of problem statement and research objectives <input type="checkbox"/> Definition of terms <input type="checkbox"/> Assumption and delimitations <input type="checkbox"/> Identification of variables <input type="checkbox"/> Hypothesis –definition, formulation and types. 	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	Developing theoretical /conceptual framework. <ul style="list-style-type: none"> <input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research <input type="checkbox"/> Using, testing and developing conceptual framework, models and theories. 	5	Developing theoretical /conceptual framework.
V	15	Research Approach and designs Qualitative and Quantitative, Mixed methods Qualitative research approaches: Grounded theory, phenomenology, ethnography, case study and historical research. Quantitative: Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	Sampling Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

VII	20	<p>a) Data collection methods and Tools: Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p>b) Measurement and data quality Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
VIII	3	Critical analysis of research reports and articles	15	Critical analysis of research reports and Articles
IX	4	Developing and presenting a research proposal	5	Presenting a research proposal
X	5	Implementing research plan Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data	40	Pilot study
XI	10	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion		
XII	10	Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA),		

		Utilization of research findings. Writing scientific articles for publication: purposes & style		
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Activities:

- Annotated Bibliography of research reports and articles. -4
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical /conceptual framework.
- Preparation of a sample research tool.
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal presentation-1
- Critical evaluation of selected research studies –dissertaton-1,journal article -1
- Writing a scientific paper

Methods of Teaching:

- Lecture-cum-discussion
- Seminar/Presentations
- Project
- Class room exercises
- Journal club

Methods of Evaluation:

- Quiz, Tests(Term)
- Assignments/Term paper
- Presentations
- Project work (Concerned specialty)

Internal Assessment Techniques	Weightage (15 marks)
essional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
Total	100%

Part –B: Statistics (External Faculty)

Hours of Instruction

Theory 50Hours

Practical 25 Hours

Total 75 Hours

Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.

Course content

Unit	Hours		Content
	Theory	Practical	
I	7		Introduction: <ul style="list-style-type: none">□ Concepts, types, significance and scope of statistics, meaning of data□ Sample, parameter□ Type and levels of data and their Measurement<ul style="list-style-type: none">□ Organization and presentation of data-Tabulation of data□ Frequency distribution□ Graphical and tabular presentations
II	4		Measures of central tendency: Mean, Median, Mode



III	4		Measures of variability: □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation
IV	3		Normal Distribution: □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		Measures of relationship: □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		Designs and meaning: □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		Significance of Statistic and Significance of difference between t Statistics(Testing hypothesis) □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- <u>t</u> ' test, ANOVA,
VIII	5		Use of statistical methods in psychology and education □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	Application of statistics in health: Ratios, Rates, Trends Vital health statistics –Birth and death rates Measures related to fe and mortality
X	4	20	Use of Computers for data analysis Use of statistical package



Activities:

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package

Methods of Evaluation:

- Test, Classroom statistical exercises

Internal Assessment Techniques	Weightage10 marks
Sessional exams – (2)	100%

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- Wood, G.L. and Haber J. Nursing Research-methods and critical appraisal for evidence-based practice. Elsevier.
- C R Kothari. Research Methodology Methods and Techniques. New Age Publishers, New Delhi.
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Biostatistics a manual for students in health sciences.

- Rose A Utely. Theory and Research for Academy Nurse Educators Application to Practice, Jones and Bartlett Publishers. Boston
- Nola A.Schmidt, Janet M Brown. Evidence Based Practice for Nurses Appraisal and Application of Research, Jones and Bartlett Publishers, New Delhi.'
- Marylynn J Wood, Jannet C Ross Kerr. Basic Steps in Planning Nursing Research from question to Proposal, Jones and Bartlett Publishers, New Delhi.
- Mahajan. Methods in Biostatistics. Jaypee Brothers
- National and international journals in nursing practice, nursing education, nursing research

CLINICAL SPECIALTY – 1
COMMUNITY HEALTH NURSING – 1

Placement–I Year

Hours of instruction

Theory - 150 hours

External - 20 Hours

Internal -130Hours

Practical - 900 hours

Total - 1050 hours

Course Description:

This course is designed to assist students in developing expertise and indepth understanding in the field of community health. It will enable the students to acquire knowledge regarding concepts, principles, methods and approaches in community health nursing. It will help the students to learn about epidemiology, environmental health, population dynamics and family health care.

Objectives:

At the end of the course, the students will be able to:

1. Review the history and development in the field of community health and community health nursing
2. Analyze the role of individuals and families in promoting health of the community
3. Perform physical, developmental and nutritional assessment of individuals, families and groups
4. Apply the concepts of promotive, preventive, curative and rehabilitative aspects of health while providing care to the members of the community
5. Apply nursing process approach while providing care to individuals, families, groups and community.
6. Integrate the concepts of family centred nursing approach while providing care to the community.
7. Apply concepts and principles of epidemiology in the practice of community health nursing



8. Recognize and participate in the management of emergencies, epidemics and disasters
9. Utilize the concept of demography and its application in public health
10. Appreciate legal and ethical issues pertaining to community health nursing care
11. Conduct need based community health projects
12. Participate in various national health and family welfare programmes at local, state and national level.
13. Participate effectively as a member of community health team
14. Coordinate and collaborate with various agencies operating in the community
15. Teach community health nursing to undergraduates, community health workers and nurses working in the hospital and community.

COURSE CONTENT:

Unit	Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept of health care and health promotion <ul style="list-style-type: none"> • Primary health care • Health For All movement • Millennium Development Goals • Historical development of community health and community health nursing in the world and India <input type="checkbox"/> Current status, trends, challenges and scope of community health nursing <input type="checkbox"/> Philosophy, aims, objectives, concepts, principles and functions of community health nursing <input type="checkbox"/> Community health nursing theories and models <input type="checkbox"/> Role of community health nurse at various settings
II	10	<p>Community health nursing process</p> <ul style="list-style-type: none"> Community health Nursing Process <input type="checkbox"/> Community Identification-concept, definition ,purpose, methods <input type="checkbox"/> Planning, implementation and evaluation of community health care <ul style="list-style-type: none"> • Group dynamics • community participation
III	15	<p>Family health care</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept of family, types <input type="checkbox"/> Functions of family in health and disease <input type="checkbox"/> Family developmental cycle <input type="checkbox"/> Developmental tasks of the family



		<ul style="list-style-type: none"> ▪ Family as a basic unit of health service ▪ Theoretical framework for family health care ▪ Tools for family assessment <ul style="list-style-type: none"> • Family budgeting • Family nursing process • Home visit • Standing orders
IV	30 (Ext-20 Hrs)	<p>Epidemiology</p> <p>History, definition and aims of epidemiology</p> <p>Measurements in epidemiology</p> <p>Epidemiologic methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dynamics of disease transmission <p>Levels of prevention</p> <ul style="list-style-type: none"> <input type="checkbox"/> Epidemiology of communicable diseases <input type="checkbox"/> Epidemiology of non communicable diseases <input type="checkbox"/> Emerging and re-emerging disease epidemics
V	10	<p>Community Nutrition</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nutritional problems in community health <input type="checkbox"/> Assessment of nutritional status <p>Nutritional surveillance</p> <p>Meal planning for the family</p> <p>Community nutrition programmes</p>
VI	15	<p>Maternal and child health services</p> <ul style="list-style-type: none"> <input type="checkbox"/> Maternal health care services <input type="checkbox"/> Antenatal, intranatal, postnatal services <input type="checkbox"/> Child health services <input type="checkbox"/> Integrated Management of Neonatal and Childhood Illnesses (IMNCI) <p>MCH Records-Registers, MCTS, Immunization records.</p>

VII	15	<p>Population Dynamics and Control Concept of demography</p> <ul style="list-style-type: none"> <input type="checkbox"/> Demographic transition and theories of population growth National population policy National population programmes <p>Population control</p> <ul style="list-style-type: none"> <input type="checkbox"/> Methods of family planning <input type="checkbox"/> Research, census, National family health survey <p>Vital statistics</p>
VIII	15	<p>Health Education – Changing perspectives:</p> <ul style="list-style-type: none"> <input type="checkbox"/> IEC/BCC – definition, principles and strategies <input type="checkbox"/> Communication in health education <input type="checkbox"/> Use of Audio Visual aids in health education <input type="checkbox"/> Role of mass media in health education <input type="checkbox"/> <input type="checkbox"/> Information Technology in health care <input type="checkbox"/> Tele medicine and Tele Nursing <input type="checkbox"/> Health Counselling <p>Health Management Information System (HMIS)</p>
IX	10	<p>Legal and ethical aspects in community health:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Public health laws <input type="checkbox"/> Ethical principles in community health nursing <input type="checkbox"/> Legal issues in community health nursing
X	20	<p>Environmental Health:</p> <p>Changes in ecosystem Global Warming, green house effect, deforestation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Impact of ecological changes on health <input type="checkbox"/> Medical entomology <input type="checkbox"/> Disaster preparedness and management



Practical Experience

Total = 900 Hours

1 week = 48 hours

Sl. No	Dept/Unit	No. of weeks
1	Preventive clinic, Infectious disease unit, Family planning unit, Paediatrics & Neonatology Antenatal & Postnatal unit, Labour room	6 weeks
2	Primary health centre, Community health centre	6 weeks
3	Urban health centre	2 weeks
4	Selected community	5 weeks
	Total	19 weeks



Clinical Activities

- Identification of community leaders and resource persons
- Identification of a selected community (Health Survey, identification of resources and health needs of the community)

- Plan and implement need based health programs for the family and community
- Health Counselling for individuals and families
- Health education- Planned and incidental with the use of IEC materials
- Organize special clinics
- Organize health project/exhibition
- Estimation of vital health statistics – exercise
- Conduct vector survey

- Health assessment – adults, elderly, antenatal & postnatal women, children
- Nutritional assessment, dietary planning, demonstration and education for various age groups
- Filling up of records, reports and registers maintained at sub centre/PHC/CHC

- Assist women in breast self examination
- Conduct antenatal examination
- Conduct vaginal examination
- Conduct deliveries
- Postnatal visits
- Perform Episiotomy and suturing
- Malarial slide preparation

Assisted activities

- Prepare Pap smear
- Conduct insertion/removal of IUCD
- Assist laparoscopic sterilization, vasectomy

- Observation visits/field visits to ART centre, RNTCP unit
- Maintain log book for all practical activities



Assignments

- Health Assessment of an Antenatal and post natal mother, Newborn-1, Infant-1, Preschool child-1 and School child-1
- Community health survey of a selected community
- Community health project/health exhibition-1
- Clinical teaching-2
- Planned health education-4
- Family care study-4

Method of Evaluation

Theory	Weightage
Sessional examinations (3)	50 %
Seminars	25%
Term paper -1	25%
Total	100%
Practical	
Ongoing clinical evaluation	40%
Internal practical examination	20%
Clinical Assignments	40%
Total	100%



References *:-

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- Park.K . Park's Text Book of Preventive and Social Medicine. M/S BanarsidasBhanot Publishers, Jabalpur.
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- Stanhope M. Lancaster J. Community Health Nursing, The C V Mosby Company D.C, Latest Edn.
- TNAI. A Community Health Nursing Manual, New Delhi.
- National and international journals in Public health, health and community health nursing.

**SECOND YEAR M.Sc NURSING
NURSING MANAGEMENT**

Placement: II Year

Hours of Instruction

Theory :150 Hours
Nurse Specialist :105 Hours

External :45 Hours

Practical :200 Hours

Total : 350 Hours

Course Description

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.



COURSE CONTENT

Unit	Theory	Content
I	10 *EF5	<p>Introduction</p> <ul style="list-style-type: none"> • Concepts of Management <p>Philosophy, theories, elements, Principles, -(Review). Functions of administration Indian Constitution, Indian Administrative system health care delivery system: National, State and Local</p> <p>Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH</p>
II	10	<p>Nursing management</p> <p>Concept, types, principles and techniques Vision and Mission Statements Philosophy, aims and objective Current trends and issues in Nursing Administration Theories and models Application to nursing service and education Autonomy and accountability for nursing practice.</p>
III	15 EF5	<p>Planning and control Co-ordination and delegation Decision making – decentralization basic goals of decentralization. Strategic planning Operational plans Management plans Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO) Planning new venture Planning for change</p>



		Innovations in nursing Application to nursing service and education
IV	15 EF5	Organisation Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15 EF5	Human Resource for health Staffing Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) Estimation of nursing staff requirement- activity analysis Various research studies Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

<p>VI</p>	<p>15 EF5</p>	<p>Directing</p> <p>Roles and functions</p> <p>Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
<p>VII</p>	<p>10</p>	<p>Material management</p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care: unit and Hospital</p> <p>Inventory control , Condemnation</p> <p>Application to nursing service and education</p>
<p>VIII</p>	<p>15 EF5</p>	<p>Controlling</p> <p>Quality assurance – Continuous Quality Improvement</p> <p>Standards, Models, Nursing audit</p> <p>Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education,</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedingsenquiryetc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p>



IX	15 EF5	<p>Application to nursing service and education</p> <p>Fiscal planning</p> <p>Steps</p> <p>Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue</p> <p>Budget estimate, revised estimate, performance budget</p> <p>Audit</p> <p>Cost effectiveness</p> <p>Cost accounting</p> <p>Critical pathways</p> <p>Health care reforms</p> <p>Health economics</p> <p>Health insurance</p> <p>Budgeting for various units and levels</p> <p>Application to nursing service and education</p>
X	10 EF5	<p>Nursing informatics</p> <p>Trends</p> <p>General purpose</p> <p>Use of computers in hospital and community</p> <p>Patient record system</p> <p>Nursing records and reports</p> <p>Management information and evaluation system (MIES)</p> <p>E- nursing, Telemedicine, telenursing</p> <p>Electronic medical records</p>
XI	10	<p>Leadership</p> <p>Concepts, Types, Theories</p> <p>Styles</p> <p>Manager behavior</p> <p>Leader behavior , Assertiveness</p> <p>Effective leader: Characteristics, skills</p> <p>Group dynamics</p> <p>Power and politics , Visibility of nursing</p> <p>Lobbying</p> <p>Critical thinking and decision making</p>



		Stress management Applications to nursing service and education
XII	10 EF5	Legal and ethical issues Laws and ethics Ethical committee Code of ethics and professional conduct Legal system: Types of law, tort law, and liabilities Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character Patient care issues, management issues, employment issues Medico legal issues Nursing regulatory mechanisms: licensure, renewal, accreditation Patients rights, Consumer protection act(CPA) Rights of special groups: children, women, HIV, handicap, ageing Professional responsibility and accountability Infection control Standard safety measures

***EF- External Faculty**

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal



13. Identify the problems of the specialty units and develop plan of action by using problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.
16. Prepare a plan for disaster management
17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

Methods of Teaching

- Lecture cum discussion
- Seminar / Presentations
- Workshop

Methods of evaluation

- Tests
- Presentation
- Written assignments

Internal Assessment Techniques	Weightage (%)
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Sessional exam (3)	50
Assignments	25
Seminar/presentations	25

Total	100%
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Assignments

Theory

Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department.

Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.)

Performance Appraisal Format for Nursing Staff.



Practical

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1
Nursing Care Conference	1

Clinical Posting

Various Wards/ICUs of Hospital. - 4 Weeks
Office of Nursing Superintendent / Nursing Officer- 1 week

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- Jogindra Vati. Principles and practice of Nursing management and administration for BSc and MSc students.
- National and international journals in nursing management and administration.



CLINICAL SPECIALTY – II
COMMUNITY HEALTH NURSING - II

Placement – II year	
Hours of Instruction	
Theory:	150hours
External:-	20hours
Internal:-	130hours
Practical	: 1450hours
Total	: 1600 hours

Course Description

This course is designed to facilitate students to gain in depth knowledge and develop skill in the administration and management of community health services. It will further enable students to develop leadership qualities and practice as a community health nurse specialist, educator, researcher and manager.

Objectives:

On completion of the course student will be able to:

1. Review the health planning in India
2. Explain the administration and organization of health system in India
3. Plan, organize, implement and evaluate community-oriented programs
4. Participate effectively as a team member in the health planning at local, regional, state and national level
5. Apply epidemiological concepts and principles in community health nursing practice
6. Demonstrate leadership qualities in the field of community health nursing
7. Supervise and guide the nursing personnel working in community health settings
8. Demonstrate competencies in guiding undergraduate students in community health nursing specialty
9. Conduct individual and group research projects in the field of community health nursing.
10. Demonstrate competency in providing independent family centered nursing care
11. Teach and supervise community health nurses and allied health workers



COURSE CONTENT:

Unit	Hours	Content
I	20 (EF 20)	Health Planning and Management: <ul style="list-style-type: none">• Planning, purpose, advantages of planning, planning cycle<input type="checkbox"/> Management – Types and methods<input type="checkbox"/> National development planning<input type="checkbox"/> Health planning in India<input type="checkbox"/> Health committees and recommendations<input type="checkbox"/> Planning commission<input type="checkbox"/> Five year plans<input type="checkbox"/> National Health Policies<input type="checkbox"/> Health system in India at centre, state, district and local level<input type="checkbox"/> Panchayati Raj and rural development<input type="checkbox"/> Health economics – definition, concepts, financing in health care Sector<input type="checkbox"/> Evaluation of health services in India
II	20	Health care delivery system in India: <ul style="list-style-type: none"><input type="checkbox"/> Health care delivery system through Public sector, Private sector and Non Governmental agencies• Indian Public Health Standard (IPHS) Guidelines for subcentre, PHC CHC, District hospital• Referral system<input type="checkbox"/> Critical review of functioning at different levels- Sub Centre, PHC, CHC, District and State level health system<input type="checkbox"/> Alternative systems of medicine<input type="checkbox"/> Public private partnership<input type="checkbox"/> Challenges of health care delivery system



III	25	<p>National Health Programmes and Health Services in India.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Objectives, Organization/manpower/resources. Activities, Goals <input type="checkbox"/> Review and critique of national health programs and services –
		<ul style="list-style-type: none"> responsibilities of community health nurse ◦ National vector borne diseases control program ◦ National filariasis control program ◦ National leprosy eradication program ◦ Revised national TB control program ◦ National program for control of blindness ◦ National iodine deficiency disorders control program ◦ National mental health program ◦ National AIDS control program ◦ National STD control program ◦ National cancer control control program ◦ Reproductive Child Health Program ◦ Non-communicable disease control programs ◦ National Health Mission – NRHM & NUHM ◦ Integrated disease surveillance program ◦ National family welfare program ◦ National Anaemia Control Programme ◦ School health services ◦ Adolescent health
IV	15	<p>Occupational Health:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction: Trends, issues, definition, aims, objectives, workplace safety <input type="checkbox"/> Ergonomics and solutions <input type="checkbox"/> Occupational environment – physical, social <input type="checkbox"/> Occupational hazards for different categories of workers – physical, chemical, biological, mechanical, accidents. <input type="checkbox"/> Occupational diseases and disorders <input type="checkbox"/> Measures for health promotion of workers; prevention and control of occupational diseases, disability limitation and rehabilitation <input type="checkbox"/> Women and occupational health



		<ul style="list-style-type: none"> <input type="checkbox"/> Health education and counselling <input type="checkbox"/> Violence at workplace <input type="checkbox"/> Child labour <input type="checkbox"/> Disaster preparedness in occupational setting <input type="checkbox"/> Legal issues: legislation, labour unions, ILO and WHO recommendations, Factories Act, ESI Act <input type="checkbox"/> Occupational health team <input type="checkbox"/> Role of community health nurse
V	10	<p>Community Geriatrics:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, trends, problems and issues <input type="checkbox"/> Aging process and changes <input type="checkbox"/> Theories of aging <input type="checkbox"/> Health problems and needs <input type="checkbox"/> Psycho-physiological stressors and disorders <input type="checkbox"/> Myths and facts of aging <input type="checkbox"/> Health assessment <input type="checkbox"/> Home for aged – various agencies <input type="checkbox"/> Rehabilitation of elderly <input type="checkbox"/> Care of elderly <input type="checkbox"/> Elderly abuse <input type="checkbox"/> Training and supervision of care givers <input type="checkbox"/> National policy for older persons <input type="checkbox"/> Government welfare measures and programmes for elderly <input type="checkbox"/> Role of NGOs in the rehabilitation of older persons <input type="checkbox"/> Roles and responsibilities of geriatric nurse in the community
VI	10	<p>Community Mental Health</p> <ul style="list-style-type: none"> <input type="checkbox"/> Magnitude, trends and issues <input type="checkbox"/> National mental health program– community mental health program <input type="checkbox"/> The changing focus of care <input type="checkbox"/> The public health model <input type="checkbox"/> Case management – collaborative care <input type="checkbox"/> Crisis intervention <input type="checkbox"/> Welfare agencies for mentally challenged

		<ul style="list-style-type: none"> <input type="checkbox"/> Community based Mental health Agencies and Services <input type="checkbox"/> Human rights of mentally ill <input type="checkbox"/> Role of a Community health Nurse in Mental health programs
VII	10	<p>Community Rehabilitation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction: Concepts, principles, trends, issues <input type="checkbox"/> Rehabilitation team <input type="checkbox"/> Models, methods <input type="checkbox"/> Community based rehabilitation <input type="checkbox"/> Ethical issues <input type="checkbox"/> Rehabilitation council of India <input type="checkbox"/> Disability and rehabilitation – use of various prosthetic devices <input type="checkbox"/> Psychosocial rehabilitation <input type="checkbox"/> Rehabilitation of chronic diseases <input type="checkbox"/> Restorative rehabilitation <input type="checkbox"/> Vocational rehabilitation <input type="checkbox"/> Role of voluntary organizations <input type="checkbox"/> Guidance and counselling <input type="checkbox"/> Welfare measures <input type="checkbox"/> Role and responsibilities of community health nurse
VIII	20	<p>Community Health Nursing Administration and management:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Organization of community health nursing practice at various levels <input type="checkbox"/> Physical facilities of sub centre, Primary health centre and Community health centre. <input type="checkbox"/> Staffing, supervision and monitoring of health services at various levels <input type="checkbox"/> Leadership and team approach <ul style="list-style-type: none"> <input type="checkbox"/> Material management

		<ul style="list-style-type: none"> <input type="checkbox"/> Budgeting in health care setting <input type="checkbox"/> Quality assurance in Community health nursing – standards, protocols, policies and strategies <input type="checkbox"/> Documentation and reporting <input type="checkbox"/> Job descriptions of various categories of health care personnel in community health care setting <input type="checkbox"/> Training of various categories of health care workers-in service education ,preparation of manuals
IX	15	<p>International Health:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Global burden of disease <input type="checkbox"/> Global health priorities and programmes <input type="checkbox"/> International health regulations <input type="checkbox"/> International quarantine <input type="checkbox"/> Health tourism <input type="checkbox"/> International co-operation and assistance <input type="checkbox"/> International travel and trade <input type="checkbox"/> Health and food legislation <input type="checkbox"/> Migration <input type="checkbox"/> International health agencies <input type="checkbox"/> International health issues and problems <input type="checkbox"/> International nursing practice standards <input type="checkbox"/> International health vis-à-vis national health <input type="checkbox"/> International health days and their significance
X	5	<p>Community Oriented Research</p> <ul style="list-style-type: none"> <input type="checkbox"/> Need for research in community health nursing <input type="checkbox"/> Critical review of epidemiological studies

PRACTICAL

Total = 1450 Hours

1 Week = 48 Hours



Sl. No	Department/unit	No. of weeks
1	Urban and rural community	8 weeks
2	Sub centre	4 weeks
3	PHC – Participation in all the relevant health programmes	8 weeks
4	Administration of PHC, CHC and District Office	4 weeks
5	Psychiatric unit and community mental health centres	2 weeks
6	Home for the aged and hospice	1 week
7	Community rehabilitation centres and occupational health visit	1 week
8	Rural health training centre	2 weeks
Total		30 weeks

Observation Visits

- MCH office and DPHN Office
- CHC /First Referral Unit (FRU)
- Anganwadi centre
- Child guidance clinic
- Institute for mentally challenged
- District TB centre
- Cancer centre
- Palliative care
- Home of old age
- De-addiction centre



- Selected occupational health centre
- ESI Health unit
- Municipality / Corporation office

Assisted activities

- Laparoscopic sterilization
- Vasectomy
- Monitoring of national health and family welfare programmes
- School health programmes

Activities to be performed

- Family health care
- Conduct various clinics
- School health assessment
- Health assessment of physically challenged, mentally challenged and older person
- Drug administration as per the Govt. protocols(MDA and Malarial drug administration)
- Treatment of minor ailments
- Investigating outbreak of epidemic
- Screening for leprosy, TB, Malaria and non-communicable diseases
- Counselling services to clients and family
- Report writing- Monthly report of sub-centre and PHC
- Refer the needy clients to the hospital
- Material management – requisition for indent, condemnation, inventory maintenance,
- Supervision of various categories of personnel
- Organize one in service education programme for JPHN/LHI/LHS /any other auxiliary workers
- Liaison with NGO's



Assignments

- Health Assessment of Physically challenged-1, Mentally challenged-1, Older person-1
- Health education-4
- Clinical Teaching-2
- School health Project-1
- In-service training programme for health workers-1
- Family care study-3
- Care analysis-1
- Observation visit Reports

Method of Evaluation

Theory	Weightage
Sessional examinations (3)	50 %
Seminars	25%
Term paper-1	25%
Total	100%
Practical	
Ongoing clinical evaluation	40%
Internal practical examination	20%
Clinical Assignments	40%
Total	100%

References *:

- Clark M, J. 'Nursing in the Community', Appleton and Lange, Connecticut,
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- Laundry K.S.A Janes. S. community Health Nursing caring for public's Health
- National and international journals in Public health, Health and community health nursing..

2.11. No: of hours per subject

Given under 2.10

2.12. Practical training

Given under 2.10

2.13. Records

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examination

2.14. Dissertation:

Every candidate pursuing M .Sc Nursing course is required to carry out work on



a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within nine months from the date of commencement of the course on or before the dates notified by the University.**

The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

Tentative Schedule for dissertation

. No.	ctivities	cheduled Time
1	ubmission of the research proposal	nd of 9 th month of 1 st year
2	ubmission of dissertation Final	nd of 9 th month of II nd Year

The dissertation should be written under the following headings:

1. INTRODUCTION
2. REVIEW OF LITERATURE
3. METHODOLOGY
4. ANALYSIS & INTERPRETATION
5. RESULTS
6. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES



APPENDICES

Dissertation style: Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69”) and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Four copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21st month of commencement of the course

Hall ticket for the second year examination should be issued to the candidate only after the dissertation has been submitted to the University.

Guidelines for submission of dissertation is given in Annexure

Research Guides

c) Qualification of Guide

Main guide: Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide: A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

b) Guide – Students Ratio

Maximum of 1:5 (including as co-guide)



Change of Guide –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

c) Research Committee

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

2.15. Speciality training if any

Nil

2.16. Project work to be done if any

Included in Clinical Assignments as given in “Content of each subject in each year “

2.17. Any other requirements [CNE, Paper Publishing etc.]

As given under “Content of each subject in each year “

2.18. Prescribed/recommended textbooks for each subject

As given under “Content of each subject in each year “

2.19. Reference books

As given under “Content of each subject in each year “

2.20. Journals

As given under “Content of each subject in each year “

2.21. Logbook

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3. EXAMINATIONS

3.1. Eligibility to appear for exams [including Supplementary]

a). Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. **There is no provision for condonation of attendance for the PG candidates.**

b). Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

c). Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3.2. Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted once in a year after regular examination.

3.3. Scheme of examination showing maximum marks and minimum marks

1 st year	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Community Health Nursing - 1	3	25	12.5	100	50	4 hrs	100	50	100	50	325



2 nd year	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		850
		Maxi mum	Mini mu m	Maxi mum	Min imu m		Max imu m	Mini mum	Maxi mum	Mini mum	Total
Nursing Management	3	25	12.5	100	50						125
Dissertation Viva							100	50	100	50	200
Community Health Nursing 11	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											650
Total of Ist & IInd Year											1500

* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

**Nursing Research (Internal) =15 and Statistics (Internal) =10

1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.
5. Maximum number of candidates for all practical examination should not exceed ten per day.
6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

3.4. Papers in each year

As given under " Scheme of examination showing Maximum and Minimum marks "

3.5. Details of theory exams [include number of papers, Duration, Type of questions & number of questions and marks



As given under” Scheme of examination showing Maximum and Minimum marks and 2.27 “

3.6. Model question paper for each subject with question paper pattern

Question Paper Pattern

I) All subjects with Maximum Marks:100		
Long Essay	1x20 marks 1x15 marks	35 marks
Short Essay	4x10 marks	40marks
Short Notes	5x5 marks	25 marks
Total Marks		100 marks
II) Nursing Research Max.marks:75		
Long Essay	2x15 marks	30 marks
Short Essay	3x10 marks	30 marks
Short notes	3x 5 marks	15 marks
Total Marks		75 marks
III) Statistics : 25 marks		
Statistical Calculations	1x10 marks	10 marks
Short notes	3x5 marks	15 marks
Total Marks		25 marks



QP Code:

Reg. No.:.....

I YEAR M.SC (NURSING) DEGREE EXAMINATION

ADVANCED NURSING PRACTICE

Model question paper

Time : Three hours Maximum marks : 100 marks

Answer all questions

- I a. Define the concept of health promotion
 - b. Explain the major assumptions of Penders' Health promotion model.
 - c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.
(2+8+10 = 20 marks)
2. Mr. M is admitted in the surgical ward with hemorrhagic shock after a road traffic accident.
- a. Explain the pathophysiology of haemorrhagic shock
 - b. List any 3 nursing diagnosis according to priority for this patient and prepare a care plan.
(5+10=15marks)
3. Describe the basic elements and explain the barriers of communication (10 marks)
4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks)
5. Briefly explain the safe disposal of biomedical wastes (10 marks)
6. Explain the principles and techniques of counseling (10 marks)

Write short notes on (5x 5 = 25 marks)

7. Anti retroviral therapy
 8. Use of computers in nursing practice
 9. Haemodialysis
 10. Metabolic acidosis
 11. Genetic counseling
-



QP Code:

Reg. No.:.....

FIRST YEAR M.Sc NURSING DEGREE EXAMINATION

NURSING RESEARCH & STATISTICS

MODEL QUESTION PAPER

Time: Three Hours. Maximum: 100 Marks

Answer Section A and B in separate answer books

SECTION A : NURSING RESEARCH

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS'.
15
2. Describe observation as a method of data collection. 15
3. Explain the criteria for selection of a research problem. 10
4. Describe the methods of controlling extraneous variables. 10
5. Explain the different types of sampling. 10

Write Short notes on

6. Evidence based practice.
7. Grounded theory.
8. Purposes of literature review. (3x5=15)



Section B: statistics

9. Which is the appropriate statistical test to conclude the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

NURSING EDUCATION

Model question paper

Time : 3 hrs

Max.marks:100

Answer All Questions

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)
3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in education. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structural practical examination
11. Formative and summative evaluation (5x5=25)



QP Code:

Reg. No.:.....

First Year MScNursing Degree Examination

Clinical Specialty -I

Community Health Nursing –I

Model Question Paper

Time: 3 Hours

Answer all questions ,Maximum marks: 100

1. a. Describe the phases of family health nursing process with suitable examples
 - b. Discuss the challenges and scope of community health nursing
(10+10= 20)
 2. a. Discuss the nutritional problems in India
 - b. Explain the role of Community Health Nurse in controlling these problems
(7+8= 15)
 3. Explain the demographic trends in India
(10)
 4. Analyse the contribution of National Family Welfare Programme in controlling population growth
(10)
 5. Explain the reasons for high maternal mortality in India
(10)
 6. Discuss the role of Community Health Nurse in reducing maternal mortality
(10)
- Write short notes on
(5x 5 =25)
7. Public health laws
 8. Impact of ecological changes on health
 9. Role of mass media in health education
 10. Descriptive epidemiology
 11. Family budgeting



QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

Answer all questions

Time: 3 hrs

Max. marks: 100

Answer all questions.

1. Explain the principles of management with suitable examples. (20)
 2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)
 3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
 4. Explain the role of nurse administrator in supervision. (10)
 5. Explain the challenges and current trends in nursing administration. (10)
 6. Describe the steps of material management. (10)
- Write short notes (5x5=25)
7. Collective bargaining
 8. Nurses role in occupational health and safety.
 9. Legal issues in nursing
 10. Quality circle
 11. Conflict management



QP Code:

Reg. No.:.....

**Second Year M. Sc Nursing Degree Examinations
(Model Question Paper)**

Clinical Speciality II Community Health Nursing

Time: 3 hrs

Max. Marks: 100

- Answer all questions

Essays:

1. Explain the health care delivery system in India. Discuss the methods of evaluation of health services

(10+10=20)

2. Explain the methods of community based rehabilitation. Discuss the trends and issues in community rehabilitation.

(7+8=15)

3. Describe the measures for health promotion of workers in industries

(10)

4. Discuss the nurses role in community mental health programme

(10)

5. Explain role of International Health Regulations in combating global health issues

(10)

6. Discuss the various types of records and reports maintained in community health nursing service

(10)

Short notes:

(5x5=25)

7. National Aids Control programme

8. Health tourism

9. Guidance and Counselling for the disabled

10. Performance appraisal

11. Millennium development goals



3.7. Internal assessment component

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

3.8. Details of practical/clinical practicum exams.

Practicals

- ☐ 4 hours of practical examination per student.
- ☐ Maximum number of 10 students per day per specialty.
- ☐ The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- ☐ One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- ☐ Follow the evaluation guidelines for the conduct of practical examinations - Refer 2.10.



3.9. Number of examiners needed (Internal & External) and their qualifications

- ☐ One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc Nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

3.10. Details of viva:

Duration: Viva-Voce -minimum 30 minutes per student.

4. INTERNSHIP

4.1. Eligibility for internship

Not applicable.

4.2. Details of internship training

Not applicable.

4.3. Model of Internship Mark lists

Not applicable.

4.4. Extension rules

As given under “Leave , vacation /holidays permitted”

4.5. Details of Training given

Not applicable.

5. Annexure

5.1. Check Lists for Monitoring: Log Book, Seminar Assessment etc.

As given under “Content of each subject in each year “

5.2. Template for Dissertation



GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year



.....Title.....

By

Name of the Candidate

Dissertation submitted to the
Kerala University of Health Sciences

Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year



DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled
“.....Title.....” is a bonafide and genuine research work carried out by
me under the guidance of Name & designation of the Guide.

Signature of the candidate

Date:

Place:



CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....
Title.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Guide

Name and designation

Date:

Place:



ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title
.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**

Signature of the Principal

Name and designation

Date:

Place:

(College seal)



COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have
The rights to preserve, use and disseminate this dissertation in print or electronic
Format for academic/ research purpose.

Signature of the candidate

Date:

Place:

Name



ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives

Signature of the candidate

Date:

Place:

Name



ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)

TABLE OF CONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEW OF LITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS & INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	



LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF APPENDICES (14size, Bold)

Sl.No.	Title	PageNo.
A.		
B.		
C.		
D.		



CHAPTER 1

INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

Objectives

Operational definitions

Assumptions (if any)

Hypothesis (Write research hypothesis)

Conceptual/theoretical framework



CHAPTER 2 (14size, bold)

REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

CHAPTER 3 (14size,bold)

METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis



CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)



CHAPTER 5 (14size, bold)

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size,bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

Limitations

Recommendations



Abstract

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.

Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

- I.) Bio- Data of the Guide
- II.) proposal of the study (maximum 4-6 pages)



Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

Tools/Instrument (English)

Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.



KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596



PROFORMA FOR RECOGNITION OF POST GRADUATE TEACHER
[Read the instructions carefully before filling up the proforma]

1. NAME:
(in block letters)
2. DATE OF BIRTH: AGE:
(Attested copy of SSLC marks card / proof of date of birth to be enclosed)
3. PRESENT DESIGNATION:
4. DEPARTMENT:
6. ADDRESS:

<p>COLLEGE ADDRESS </p> <p>Phone (o) : Email: Hospital: College Fax:</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PRESENT</td> <td style="width: 50%;">RESIDENTIAL</td> </tr> <tr> <td colspan="2" style="text-align: center;">ADDRESS</td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 20px;">Phone (R):</td> </tr> </table>	PRESENT	RESIDENTIAL	ADDRESS		Phone (R):	
PRESENT	RESIDENTIAL						
ADDRESS							
Phone (R):							

6. QUALIFICATION:
(Attested Xerox copies of all the certificates to be enclosed)

SI No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				



7. Teaching Experience

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	
Total teaching experience				
Total teaching experience		Before PG _____ After PG _____ Total _____		

Note:

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)

(Regarding additional qualifications, achievements, publications, awards etc.,)

Declaration by the Teacher

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

Signature of the Teacher



Endorsement by the Principal

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

Place :

Date :

Signature of the Principal

INSTRUCTIONS:

1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.
2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.

KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596
POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR
CHANGE OF GUIDE

(Please Note: Change of guide is permitted only if the guide leaves the college, transferred to another college, retires or expires.)

Date:

A. Particulars of Candidate, and Existing Guide

Candidate's Name & Address :

Name of the Institution :

Course of Study & Subject :

Date of Admission to Course :

Title of the Topic :

Name & Designation of Existing Guide :

Signature of the Candidate :

B. PARTICULARS OF PROPOSED GUIDE

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

If yes, please furnish the particulars of university letter & If No, Please send his/her proforma for recognition as PG teacher

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

C: Endorsement for change of guide

1. Remarks and Signature of the HOD :

2. Reason for change of guide:

Resigned / Retired/ any other

3. Remarks and Signature of the Principal:



Format for the submission of Dissertation Hard & Soft copy

Instructions to candidates

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

Paper

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

Type Size and Print

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

Pagination

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

Spacing

Use double spacing except for long quotations and footnotes which are single-spaced.

Margins

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.

Photographs

Professional quality black-and-white photographs are necessary for clear reproduction. Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.

File Fomat

Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF,



MPEG (moving picture expert) files format.

Labeling on CD

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

References

Vancouver style format.

6.1. Template for Mark List showing Maximum & Minimum

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

.....

Name of the college

Name of course : M.Sc Nursing -Community Health Nursing

Examination : First Year M.Sc Nursing Regular Examination

Date of publication :.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Community Health Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											



A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination

KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg No.

.....

Name of the college

Name of course : M.Sc Nursing -Community Health Nursing

Examination : Second Year M.Sc Nursing Regular Examination

Date of publication :

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality - II Community Health Nursing	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



Syllabus

for Courses affiliated to the

Kerala University of Health Sciences

Thrissur 680596



MASTER OF SCIENCE IN NURSING

M.Sc. Obstetric & Gynaecological Nursing

Course Code 275

(2016-17 admission onwards)

2016

2. COURSE CONTENT

2.1 Title of course:

MASTER OF SCIENCE IN NURSING – Obstetric & Gynaecological Nursing

2.2 Aim and Objectives of the Course

Aim

Aim of the postgraduate programme in nursing is to prepare graduates to assume responsibilities as Clinical Nurse Specialists, Nurse Practitioners, Consultants, Educators, Researchers and Administrators in a wide variety of professional settings.

Objectives

On completion of the 2 year M.Sc Nursing programme, the graduates will be able to:-

1. Apply the concepts, theories and principles of nursing science.
2. Demonstrate competencies in nursing practice.
3. Practice as Clinical Nurse Specialist.
4. Establish collaborative relationship with the members of other disciplines.
5. Assume leadership in various care settings.
6. Participate in health planning, implementation and evaluation at different levels of health care system.
7. Function as effective nurse educators and nurse managers.
8. Conduct independent nursing research and utilize the research findings in nursing practice and education.
9. Critically evaluate various educational programmes in nursing.
10. Demonstrate interest and positive attitude in continuing education for personal and professional growth
11. Describe the role of various types of complementary and alternative therapies in obstetric and gynaecological nursing.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing.

13. Describe the recent advancement in contraceptive technology and birth control measures.
14. Explain the legal and ethical issues pertaining to obstetric and gynaecological nursing.
15. Function as independent midwifery nurse practitioner

2.3 Medium of instruction:

Medium of instruction shall be English

2.4 Course outline

1 year	Theory (hrs)	Practical (hrs)
Nursing Education	150	150
Advanced Nursing Practice	150	500
Nursing Research and Statistics	150	100
Obstetrics & Gynaecological		
Nursing-I	150	900
Total	600	1650
II Year	Theory (hrs)	Practical (hrs)
Nursing Management	150	200
Nursing Research (Dissertation)	-	300
Obstetric & Gynaecological		
Nursing -II	150	1450
Total	300	1950
Grand Total	900	3600

2.5 Duration

Duration of the course is for 2 years.

Weeks/year	: 52 weeks
Leave	: 3 weeks (20 days)
Preparation and Exam	: 2 weeks
Total weeks available	: 47 weeks
Total hours/week	: 48 hours
48 hoursX47weeks	: 2256 hour/year

2.6 Syllabus

As given under “Content of each subject in each year”

The concept of Health Care Counselling shall be incorporated in all relevant areas.

2.7 Total number of hours

As given under “Content of each subject in each year”

2.8 Branches if any with definition

Not Applicable

2.9 Teaching learning methods

As given in “Content of each subject in each year”

2.10 Content of each subject in each year

FIRST YEAR M.Sc NURSING
NURSING EDUCATION

Placement: Ist Year

Hours of Instruction

Theory 150 Hours
Nursing Faculty-115
External Faculty- 35
Practical 150 Hours
Total: 300 Hours

Course Description

This course is designed to assist students to develop a broad understanding of fundamental Principles, concepts, trends and issues related to education and nursing education. Further, it would provide opportunity to students to understand, appreciate and acquire skills in teaching and evaluation, curriculum development, implementation, maintenance of standards and accreditation of various nursing educational programs.

Objectives

At the end of the course, students will be able to :

1. Explain the aims of education, philosophies, trends in education and its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing
9. Demonstrate skill in guidance and counselling.
10. Describe the problems and issues related to the implementation of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.

12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of Evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill, and attitude.

Course Content

Unit	Theory Hours	Content
I	10	<p>Introduction</p> <ul style="list-style-type: none"> □ Education :Definition, aims, concepts, philosophies, Formulation of philosophy & their implications on education (Review) □ Impact of Social, economical, political & technological changes on education. □ Professional education □ Current trends and issues in education □ Educational reforms and National Educational Policy, various educational commissions-reports <p>Nursing education- Definition, aims, philosophy Trends in development of nursing education in India -ANM, GNM, Basic B.Sc. Nursing, Post Basic B.Sc. Nursing, M.Sc(N) programs, M.Phil and Ph.D in Nursing, Post basic diploma programs, Nurse practitioner programs.</p>
II	20	<p>Curriculum Development Definition, curriculum determinants, process and steps of curriculum development, Types and framework.</p> <ul style="list-style-type: none"> □ Educational Objectives - types, domains, levels, elements and writing of educational objectives, □ selection of learning experiences □ Organization of learning experiences; master plan, course plan, unit plan, Lesson Plan. □ Evaluation strategies, process of curriculum change, role of students, faculty, administrators, statutory bodies and other stakeholders. □ Evaluation of educational programs in nursing- course and program. □ Equivalency of courses : Transcript , credit system.

<p>III</p>	<p>20 *EF 10</p>	<p>Teaching – Learning Process</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts of teaching and learning: Definition, principles ,theories of teaching and learning, relationship between teaching and learning <input type="checkbox"/> Competency based education, outcome based education(OBE) <input type="checkbox"/> Instructional strategies – Lecture, Discussion, Demonstration, Simulation, Laboratory Method, Seminar, Panel, Symposium, Problem solving, Workshop, Project, role- play (sociodrama) (Review) Microteaching. <p>Innovative Strategies</p> <p>Problem Based Learning (PBL), programmed instruction, Self Directed learning(SDL), Computer Assisted Instruction(CAI), Computer Assisted Learning (CAL), Clinical teaching methods. brain storming, integrated teaching, team teaching</p> <p>Class room management and transactional analysis</p> <ul style="list-style-type: none"> <input type="checkbox"/> Teacher - Roles & responsibilities, functions characteristics, competencies, qualities. <input type="checkbox"/> Preparation of professional teacher <input type="checkbox"/> Organizing professional aspects of teacher preparation programs. <input type="checkbox"/> Critical analysis of various programs of teacher education in India
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<p>IV</p>	<p>40</p> <p>EF20</p>	<p>Evaluation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept and nature of measurement and evaluation, meaning, process, purposes, problems in evaluation and measurement, Principles of evaluation(review) characteristics-objectivity, validity, reliability, usability <p>Formative and summative evaluation.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Internal assessment, external examination. criterion and norm referenced evaluation, <input type="checkbox"/> Evaluation strategies-meaning, characteristics. <input type="checkbox"/> Construction of test, administration of test , scoring, grading Vs marks. <input type="checkbox"/> Item analysis <p>Non-standardized tests :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Essay, short answer questions and multiple choice questions, True & False, Completion.Tools of Evaluation-Rating scales, checklist,Objective Structured Clinical Examination (OSCE) , Objective Structured Practical Examination (OSPE),Viva Examination <input type="checkbox"/> Differential scales, and Summated scales, Sociometry, Anecdotal record, Attitude scale, critical incident technique. <input type="checkbox"/> Question bank-preparation, validation, moderation by panel. <p>Standardized Tools</p> <ul style="list-style-type: none"> <input type="checkbox"/> Tests of intelligence attitude, aptitude, interest, personality, achievement, socio-economic status scale, tests for special mental and physical abilities and disabilities. <input type="checkbox"/> Teacher Evaluation-Strategies
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V	15	<p>Instructional Media & Methods</p> <ul style="list-style-type: none"> <input type="checkbox"/> Key concepts in the selection and use of media in education <input type="checkbox"/> Developing learning resource material using different Media. <input type="checkbox"/> Instructional aids – types, uses, selection, preparation, utilization. <input type="checkbox"/> Teacher’s role in procuring and managing <input type="checkbox"/> instructional Aids – Projected and non-projected aids, multi media, video-tele conferencing etc
VI	10	<p>Continuing Education in Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concepts – Definition, importance, need, scope, principles of learning, assessments of learning needs, priorities, resources. <input type="checkbox"/> Program planning, implementation and evaluation of continuing education programs. <input type="checkbox"/> Research in continuing education. <input type="checkbox"/> Distance education in nursing
VII	5 EF5	<p>Guidance and counseling</p> <ul style="list-style-type: none"> <input type="checkbox"/> Concept, principles, need, difference between guidance and counseling (Review). <input type="checkbox"/> Trends and issues in Guidance and counseling. <input type="checkbox"/> Guidance and counseling services: diagnostic and remedial.
		<ul style="list-style-type: none"> <input type="checkbox"/> Coordination and organization of services. <input type="checkbox"/> Techniques of counseling : Interview, case work, Characteristics of

		<p>counselor, problems in counseling.</p> <p>Professional preparation and training for counseling</p>
VIII	25	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recruitment, discipline, public relation, performance appraisal, welfare services, library services, hostel. <input type="checkbox"/> <p>Role of curriculum coordinator – planning , implementation & Evaluation</p> <ul style="list-style-type: none"> <input type="checkbox"/> Evaluation of educational programs in nursing- course & Program <input type="checkbox"/> Factors influencing faculty staff relationship and techniques of working together <input type="checkbox"/> Concept of faculty supervisor (dual) position. <input type="checkbox"/> Curriculum research in nursing. <p>Different models of collaboration between education and service</p>

IX	5	<p>Quality in Nursing Education</p> <p>Development and maintenance of standards and accreditation in nursing education programs. Role of Indian Nursing Council, State Registration Nursing Councils, Boards and University.</p>
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* External Faculty (EF)

Activities

- Framing philosophy, aims and objectives.
- Lesson Planning.
- Micro teaching-2.
- Conduct practice teachings using different teaching strategies -10
(Like lecture cum discussion, demonstration- lab method, field trips, seminars, project, role play, panel discussion, clinical methods etc)
- Preparation and utilization of instructional Aids using different media.
- Develop course plans, unit plans, rotation plans.
- Conduct a continuing education workshop.
- Annotated bibliography.
- Critical evaluation of any nursing education program offered by a selected institution.
- Planning and Organizing field visits.
- Construct, administer and evaluate tools (objective & essay type test, observation checklist, rating scale etc)
 - Observe and practice application of various non-standardized tests, (intelligence, Aptitude, Personality, Sociometry, physical & mental disabilities tests.)

Methods of Teaching

- Lecture cum discussion
- Demonstration/ Return demonstration
- Seminar / Presentations
- Project work
- Field visits
- Workshop

Methods of evaluation

- Tests
- Presentation
- Project work

Assignments –Theory

Lesson plan-2,courseplan -1,unit plan 2,rotation plan-2(master plan,clinical rotation)

Evaluation tool-construction,administration and evaluation(Essay,objectivetype,ratingscale,checklist)

Construction of an achievement test

Practical

Practice teaching using different strategies (lecture cum discussion-5,demonstration-2,seminar-1,clinicalteaching -2,symposium/role play/panel discussion)

Internal Assessment (Theory)

	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
Total	100%

Practical – Internal assessment

Preparation of Learning resource material &	25%
Construction of tests/rotation plan.	
Practice Teaching	50%
Conduct Workshop /Short Term Course	25%
Total	100%

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ADVANCED NURSING PRACTICE

Placement: 1st Year

Hours of Instruction

Theory: 150 Hours

External Faculty:-30hrs

Nursing Faculty:-120hrs

Practical: 500 Hours

Total : 650 Hours

Course Description

The course is designed to develop an understanding of concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines.

Objectives:

At the end of the course the students will be able to:

1. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
2. Identify latest trends in nursing and the basis of advanced nursing practice.
3. Explain bio- psycho- social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Perform health assessment and General physical examination
6. Provide holistic and comprehensive care following nursing process approach
7. Perform extended and expanded role of nurse.
8. Describe alternative modalities of nursing care.
9. Describe the concept of quality control in nursing.
10. Identify the scope of nursing research.
11. Use computer in patient care delivery system and nursing practice.
12. Appreciate importance of self development and professional advancement.

COURSE CONTENT

Unit	Hours	Content
I	8	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: History and development of nursing profession, Perspectives <p>of Nursing Profession-National, global</p> <ul style="list-style-type: none"> <input type="checkbox"/> Code of ethics, code of professional conduct, autonomy and Legal considerations <input type="checkbox"/> Evidence Based Nursing Practice <input type="checkbox"/> Progressive Patient Care <input type="checkbox"/> Futuristic nursing. <input type="checkbox"/> Quality assurance in Nursing
II	5	<p>Health care delivery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Health care environment, Health economics <p>Health care policy -National, State</p> <ul style="list-style-type: none"> <input type="checkbox"/> Policy and politics in Nursing <input type="checkbox"/> Health care delivery system- national, state, district and local level. <input type="checkbox"/> Major stakeholders in the health care system-Government, NGOs etc <input type="checkbox"/> Patterns of nursing care delivery in India. <input type="checkbox"/> Health care delivery concerns <input type="checkbox"/> National health and family welfare programs:(Review) <input type="checkbox"/> Information, education and communication (IEC). <p>Tele-medicine.</p>
111	20	<p>Philosophy and Theories of Nursing</p> <ul style="list-style-type: none"> <input type="checkbox"/> Values, Conceptual models, approaches. <input type="checkbox"/> Nursing theories: Nightingale's, Hendersons's, Roger's, Peplau's, Abdella's, Lewine's, Orem's, Johnson's, King's, Pender's Neuman's, Roy's, Watson , and their applications <p>Health promotions and health belief models</p>

		<input type="checkbox"/> Evidence based practice model.
1V	12 *EF8	Clinical Assessment-History taking and physical examination
V	6	Nursing process Review: Identification of health-illness problems, health behaviors, Methods of data collection, analysis and utilization of data relevant to nursing process. Formulation of nursing care plans, health goals, Implementation, modification and evaluation of care.
V1	15 EF10	Genetics <ul style="list-style-type: none"> <input type="checkbox"/> Molecular basis of the gene and transmission of genetic information <input type="checkbox"/> Recombination, Mutation, Pedigree analysis <input type="checkbox"/> Mapping the Human genome – Genome project. <input type="checkbox"/> Approaches to common genetic disorders-Monogenic and polygenic <input type="checkbox"/> Genetic testing – basis of genetic diagnosis, Pre symptomatic and predisposition testing, Prenatal diagnosis & screening, <input type="checkbox"/> Ethical, legal & psychosocial issues in genetic testing. <input type="checkbox"/> Genetic counseling. <input type="checkbox"/> Practical application of genetics in nursing.
V11	4 EF2	Epidemiology <ul style="list-style-type: none"> <input type="checkbox"/> Review :Epidemiological approach and methods <input type="checkbox"/> Concepts of causation of diseases and their screening, <input type="checkbox"/> Application of epidemiology in health care delivery <input type="checkbox"/> Health surveillance and health informatics <input type="checkbox"/> Role of nurse
V111	30	Bio-Psycho social pathology <ul style="list-style-type: none"> <input type="checkbox"/> Review: Pathophysiology and Psychodynamics of disease causation Life processes from birth to old age,ageingprocess,geriatric considerations in nursing, Psychosocial dynamics in causation of disease, life style disease Common problems and management: <input type="checkbox"/> Hospital acquired Infection, Pressure sore, Oxygen insufficiency Haemodynamic monitoring Fluid and electrolyte imbalance, Acid Base imbalance, Metabolic syndrome, Immune disorders, HIV/AIDS,Hemorrhage, shock,

		Altered body temperature, Unconsciousness, Insomnia, pain, Sensory deprivation, Immobility, Anaphylaxis, Septicaemia, Cardio pulmonary arrest. ARDS, respiratory failure and mechanical ventilation, Emerging communicable diseases and biomedical waste management.
IX	15 EF5	<p>Psychological aspects and Human relations</p> <ul style="list-style-type: none"> <input type="checkbox"/> Review: Human behavior, Personality trait, Communication and interpersonal relationships, Individual / group dynamics and organizational behavior, Basic human needs <input type="checkbox"/> Human Sexuality and sexual health. <input type="checkbox"/> Stress and adaptation, crisis and its intervention, <input type="checkbox"/> Coping with loss, death and grieving, <input type="checkbox"/> Principles and techniques of Counseling.
X	10	<p>Nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Framework, scope and trends. <input type="checkbox"/> Alternative modalities of care <input type="checkbox"/> Alternative systems of health and complimentary therapies. <input type="checkbox"/> Extended and expanded role of the nurse, in promotive, preventive, curative and restorative health care delivery system in community and institutions. <input type="checkbox"/> Health promotion and primary health care. <input type="checkbox"/> Independent practice issues, Independent nurse-midwifery practitioner. <input type="checkbox"/> Collaboration issues and models-within and outside nursing. <p>Models of Prevention</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gender sensitive issues and women empowerment. <p>Disaster nursing.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Trans-cultural nursing.
XI	15	<p>Advanced nursing skills</p> <ul style="list-style-type: none"> <input type="checkbox"/> Definition, Indication and nursing implications: <input type="checkbox"/> TPN, Hemodynamic monitoring, Endo-tracheal intubation, Tracheotomy, Mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, LP, Chest physio therapy, Pleural and abdominal paracentesis, Triage, Pulse oxymetry, CPR, ACLS

10 EF5	<p>Computer applications for patient care delivery system and nursing practice</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use of computers in teaching, learning, research and nursing practice. <input type="checkbox"/> Windows, MS office: Word, Excel, Power Point <input type="checkbox"/> Internet-literature search, <input type="checkbox"/> Statistical packages <input type="checkbox"/> Hospital management information system: softwares
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Legend: *EF-External Faculty

Practical – 500 Hrs

Clinical posting in the following areas:

Sl. No	Dept/Unit	No. of Weeks
1.	Medical and Surgical Wards	4
2.	ICUs	4
3.	Community Health Centre/ PHC	2
4.	Casualty	1
	Total	11

Activities

- Practice advance clinical procedures
- Prepare Care study and care plan based on nursing process and nursing theories (Medial ,Surgical)
- Care Analysis (Medial/ Surgical)
- Presentation of comparative picture of theories -2
- Clinical presentations/Clinical teaching-3

Methods of Teaching

- Lecture cum discussion
- Seminar
- Panel discussion
- Debate

- Case Presentations
- Exposure to scientific conferences

Methods of evaluation:

Tests

- Presentation
- Seminar
- Written assignments

Advance Nursing Procedures

Definition, Indication and nursing implications:

- Cardio Pulmonary Resuscitation, Total Parental Nutrition, Hemodynamic monitoring, Endotracheal intubation, Tracheostoma, mechanical ventilation, Pacemaker, Hemodialysis, Peritoneal dialysis, Lumbar Puncture, Blood Transfusion Pleural and abdominal paracentesis Operation Room techniques, Health assessment, Triage, Pulse oxymetry.

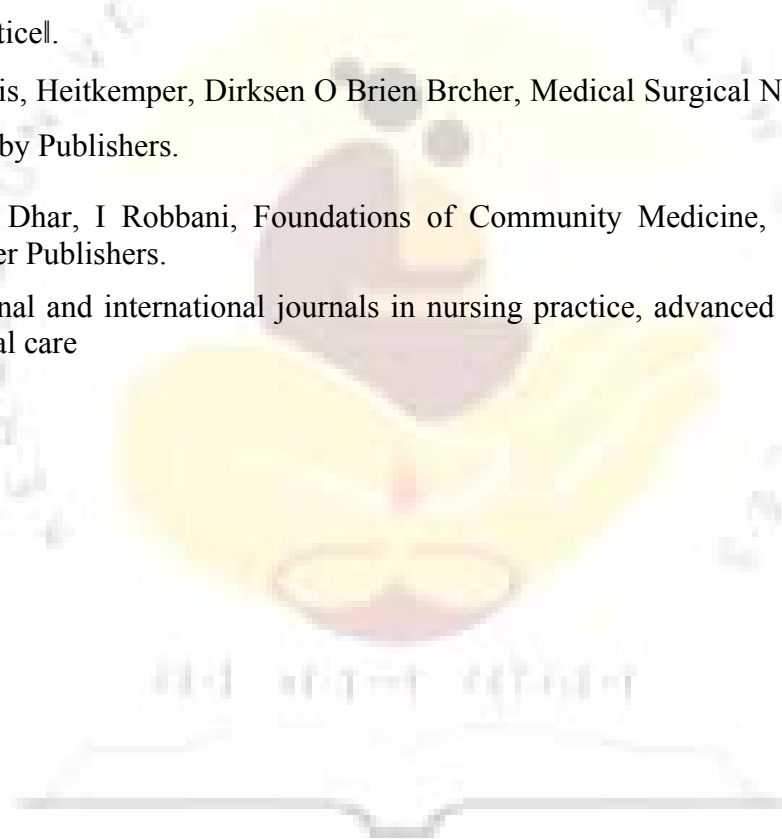
Internal Assessment

Theory	Weightage
Sessional exams (3)	50%
Assignments	25%
Seminar/presentation	25%
	100%

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NURSING RESEARCH AND STATISTICS

Placement: 1st Year

Hours of Instruction

Theory : 150 Hours

Practical : 100 Hours

Total : 250 Hours

Part A: Nursing Research

Theory: 100 Hours

Practical: 75 Hours

Total : 175 Hours

Course Description:

The course is designed to assist the students to acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan. It will further enable the students to evaluate research studies and utilize research findings to improve quality of nursing practice, education and management.

General Objectives:

At the end of the course, the students will be able to:

1. Recognize the significance of research in nursing and its importance in evidence- based nursing practice.
2. Identify the steps of quantitative and qualitative research.
3. Discuss the ethical aspects of research.
4. Review literature utilizing various resources.
5. Identify researchable problems in nursing.
6. Demonstrate skill in planning and conducting research studies.
7. Communicate research findings.
8. Utilize research findings.
9. Critically evaluate research reports and articles.
10. Write scientific paper for publications.

COURSE CONTENT:

Unit	Theory hours	Content	Practical hours	Content
I	5	<p>Introduction</p> <p>Review:</p> <ul style="list-style-type: none"> • Problem solving and scientific method. <p>Research –definition, characteristics, purposes, types of research, Basic research terms, Scope of nursing research, Overview of Research process, Significance of research in nursing, Historical Evolution of nursing research.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Future trends in nursing research. <input type="checkbox"/> Problems and challenges in nursing research, health and social research. <input type="checkbox"/> Priorities for nursing research. <input type="checkbox"/> Evidence based practice. <input type="checkbox"/> Ethics in research 		
II	5	<p>Review of Literature</p> <ul style="list-style-type: none"> • Review- <ul style="list-style-type: none"> • Importance, purposes, sources, criteria for selection of resources • Guidelines for writing literature review. 	5	Literature search-web search

III	10	Research problem: <ul style="list-style-type: none"> <input type="checkbox"/> Identification of research problem/ research question. <input type="checkbox"/> Formulation of problem statement and research objectives <input type="checkbox"/> Definition of terms <input type="checkbox"/> Assumption and delimitations <input type="checkbox"/> Identification of variables <input type="checkbox"/> Hypothesis –definition, formulation and types. 	5	1. Identification of research question. 2. Formulation of problem statement and research objectives
IV	5	Developing theoretical /conceptual framework. <ul style="list-style-type: none"> <input type="checkbox"/> Review Theories: Nature, characteristics, purpose and application in research <input type="checkbox"/> Using, testing and developing conceptual framework, models and theories. 	5	Developing theoretical /conceptual framework.
V	15	Research Approach and designs Qualitative and Quantitative, Mixed methods Qualitative research approaches: Grounded theory, phenomenology, ethnography, case study and historical research. Quantitative: Experimental and non experimental: types, characteristics, advantages and disadvantages. Randomised control design, cohort study, clinical trials		
VI	8	Sampling Population and sample. Factors influencing sampling Sampling techniques Sample size Probability and sampling error		

VII	20	<p>a) Data collection methods and Tools: Concepts of data collection, Data sources, methods/techniques quantitative and qualitative. Tools for data collection-types and characteristics</p> <p>b) Measurement and data quality Validity and reliability of tools, Characteristics of an instrument Steps in development of an instrument. Procedure for data collection</p>		
VIII	3	Critical analysis of research reports and articles	15	Critical analysis of research reports and Articles
IX	4	Developing and presenting a research proposal	5	Presenting a research proposal
X	5	Implementing research plan Pilot study, review research plan (design), planning for data collection, administration of tool/interventions, Collection of data	40	Pilot study
XI	10	Analysis and interpretation of data Plan for data analysis: quantitative and qualitative Preparing data for computer analysis and Presentation , Statistical analysis Interpretation of data Conclusion and generalizations Summary and discussion		
XII	10	Reporting and utilizing research findings: Communication of research results; oral and written Writing research report purposes, methods and style, Vancouver, American Psychological Association (APA),		

		Utilization of research findings.		
		Writing scientific articles for publication: purposes & style		

Activities:

- Annotated Bibliography of research reports and articles. -4
- Review of literature of selected topic and reporting
- Formulation of problem statement, objective and hypothesis
- Developing theoretical /conceptual framework.
- Preparation of a sample research tool.
- Analysis and interpretation of given data
- Developing and presenting research proposal
- Journal presentation-1
- Critical evaluation of selected research studies –dissertaton-1,journal article -1
- Writing a scientific paper

Methods of Teaching:

- Lecture-cum-discussion
- Seminar/Presentations
- Project
- Class room exercises
- Journal club

Methods of Evaluation:

- Quiz, Tests(Term)
- Assignments/Term paper
- Presentations
- Project work (Concerned specialty)

Internal Assessment Techniques	Weightage (15 marks)
essional exams (2)	40%
Presentations/Seminar	20%
Research critique & presentation	20%
Annotated bibliography ,assignments	20%
Total	100%

Part –B: Statistics (External Faculty)

Hours of Instruction

Theory	50Hours
Practical	25 Hours
Total	75 Hours

Course Description:

At the end of the course, the students will be able to develop an understanding of the statistical methods and apply them in conducting research studies in nursing

General Objectives:

At the end of the course the students will be able to:

1. Explain the basic concepts related to statistics
2. Describe the scope of statistics in health and nursing
3. Organize, tabulate and present data meaningfully
4. Use descriptive and inferential statistics to predict results
5. Draw conclusions of the study and predict statistical significance of the results
6. Describe vital health statistics and their use in health related research
7. Use statistical packages for data analysis.
- 8.

Course content

Unit	Hours		Content
	Theory	Practical	
I	7	I	Introduction: <ul style="list-style-type: none"> □ Concepts, types, significance and scope of statistics, meaning of data □ Sample, parameter □ Type and levels of data and their Measurement <ul style="list-style-type: none"> □ Organization and presentation of data-Tabulation of data □ Frequency distribution □ Graphical and tabular presentations
II	4		Measures of central tendency: Mean, Median, Mode

III	4		Measures of variability: □ Range, Percentiles, Average deviation, Quartile deviation, Standard deviation
IV	3		Normal Distribution: □ Probability, Characteristics and application of normal probability curve, Sampling error
V	6		Measures of relationship: □ Correlation-need and meaning □ Rank order correlation □ Scatter diagram method, product moment correlation, Simple linear regression analysis and prediction,
VI	5		Designs and meaning: □ review -Experimental designs □ Comparison in pairs, randomized block design, Latin squares.
VII	8		Significance of Statistic and Significance of difference between two Statistics(Testing hypothesis) □ Non parametric test-Chi-square test, Sign, median test, Mann Whitney test □ Parametric test- t' test, ANOVA,
VIII	5		Use of statistical methods in psychology and education □ Scaling-Z Score, Z Scaling □ Standard Score and T Score □ Reliability of test scores: test-retest method, parallel forms split half method
IX	4	5	Application of statistics in health: Ratios, Rates, Trends Vital health statistics –Birth and death rates Measures related to fertility, morbidity and mortality

X	4	20	Use of Computers for data analysis Use of statistical package
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Activities:

- Exercises on organization and tabulation of data
- Graphical and tabular presentation of data
- Calculation of descriptive and inferential statistics (chi square, t-test, correlation)
- Practice in using statistical package
- Computing
- Vital health statistics

Methods of Teaching:

- Lecture-cum-discussion
- Demonstration-on data organization, tabulation, calculation of statistics, use of statistical package, Classroom exercises, organization and tabulation of data
- Computing Descriptive and inferential statistics; vital and health statistics and use of computer for data entry and analysis using statistical package

Methods of Evaluation:

- Test, Classroom statistical exercises

Internal Assessment Techniques weightage 10 marks

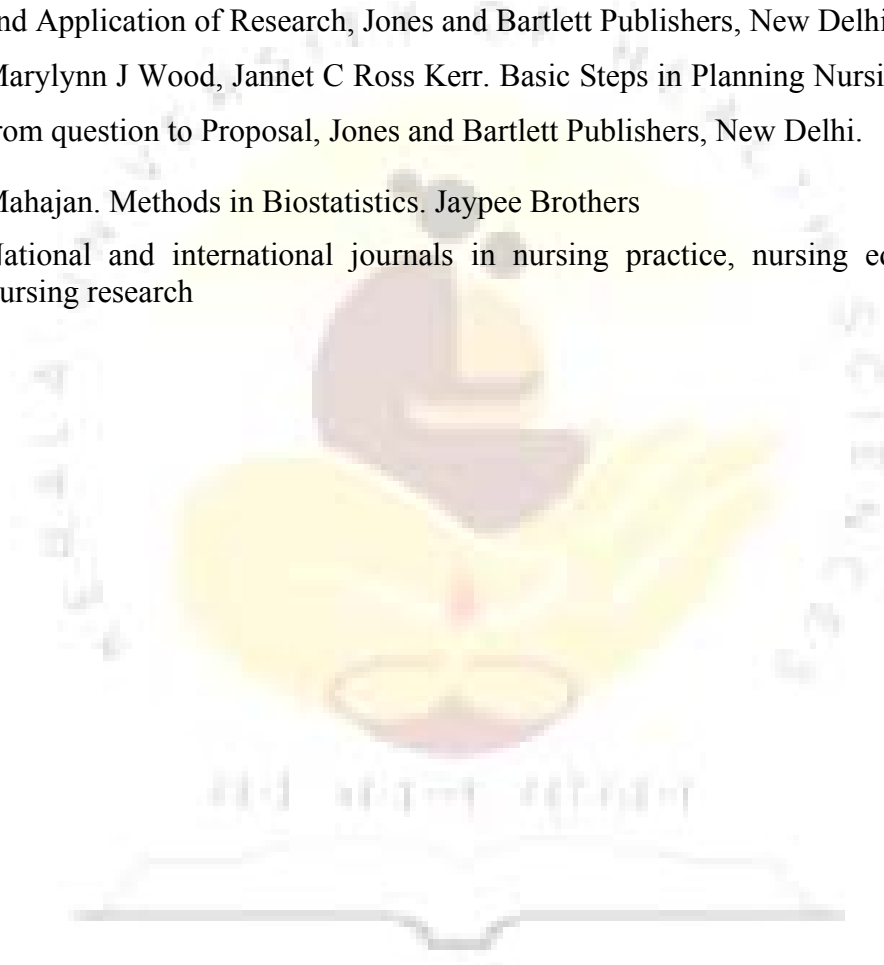
Sessional exams – (2) 100%

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CLINICAL SPECIALTY - I
OBSTETRIC AND GYNAECOLOGICAL NURSING- 1

Placement: 1st year

Hours of Instruction

Theory: 150 hours
Nursing Faculty– 120 hours
External Faculty-30 hours

Practical: 900 hours
Total: 1050 hours.

COURSE DESCRIPTION

This course is designed to assist students in developing expertise and indepth understanding in the field of Obstetric and Gynaecological Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager, and researcher in the field of Obstetric and Gynaecological nursing.

OBJECTIVES

At the end of the course the students will be able to:

1. Examine the trends in the field of midwifery, obstetrics and gynaecology as a specialty.
2. Describe the population dynamics and indicators of maternal and child health.
3. Describe current concepts in genetics and embryology.
4. Identify the role of women in the society
5. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
6. Provide comprehensive nursing care to women during reproductive period and newborns.
7. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynaecological nursing.
8. Identify and analyze the deviations from normal birth process and refer appropriately.
9. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
10. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation

11. Describe the role of various types of complementary and alternative therapies in obstetric and gynaecological nursing.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing.
13. Describe the recent advancement in contraceptive technology and birth control measures.
14. Explain the legal and ethical issues pertaining to obstetric and gynaecological nursing.
15. Function as independent midwifery nurse practitioner

Course Content

Units	Hours	Content
I	20	<p>Introduction</p> <ul style="list-style-type: none"> □ Historical and contemporary perspectives □ Issues of maternal and child health: Age, Gender, Sexuality, sexual health, Psycho- Socio cultural factors □ Status of women in Indian Society □ Role of the women in the family & society □ Women empowerment □ Preventive obstetrics □ National health and family welfare programmes related to maternal and child health: health Care delivery system. □ National Health Mission-Reproductive child health. □ Theories, models and approaches applied to midwifery practice. □ Role and scope of midwifery practice: Independent Nurse midwifery practitioner.. □ Legal and Ethical issues, code of ethics and standards of midwifery practice, standing orders □ Evidence based midwifery practice □ Research priorities in Obstetric and Gynaecological nursing. □ Complementary therapies in obstetric practice.

<p>II</p>	<p>15 (EF 5)</p>	<p>Human reproduction - Review:-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anatomy and physiology of human reproductive system: male and female, Reproductive physiology. <input type="checkbox"/> Pelvic floor and female pelvis <input type="checkbox"/> Foetal skull <input type="checkbox"/> Hormonal cycles, puberty, Menarche & Menopause. <input type="checkbox"/> Endocrinology in relation to reproduction. <input type="checkbox"/> Embryology, placental and foetal development <input type="checkbox"/> Genetics, teratology, prenatal diagnosis and counseling <input type="checkbox"/> Preconception care, Preparing families for child bearing & child rearing , planned parenthood.
<p>III</p>	<p>25 EF6</p>	<p>Pregnancy</p> <ul style="list-style-type: none"> <input type="checkbox"/> Maternal adaptation :- Physiological, Psychosocial <input type="checkbox"/> Diagnosis of pregnancy <input type="checkbox"/> Assessment - Maternal and fetal <input type="checkbox"/> Maternal assessment: History taking, examination-general, physical and obstetrical. <input type="checkbox"/> Identification of high risk, <input type="checkbox"/> Foetal assessment – clinical parameters. <input type="checkbox"/> Biochemical- Human oestriol, Maternal Serum Alfa Feto protein, Acetyl choline esterase (AchE), Triple Test, Aminocentesis, Cordocentesis. Chorionic villus sampling (CVS). <input type="checkbox"/> Biophysical -Foetal movement count, Sonography, Cardio tocography, cardio tomography, Non-Stress Test (NST), Contraction stress test (CST), amnioscopy, foetoscopy. <input type="checkbox"/> Radiological examination <input type="checkbox"/> Interpretation of diagnostic tests and nursing implications <input type="checkbox"/> Nursing management of the pregnant women, minor disorders of pregnancy and management, importance of institutional delivery, choice of birth setting,

		importance and mobilizing of transportation, role of nurse and crisis intervention, identification of high risk pregnancy and referral
IV	20 EF3	<p>Normal Labour</p> <ul style="list-style-type: none"> □ Essential factors of labour □ Stages and onset <p>First stage: Physiology of normal labour</p> <ul style="list-style-type: none"> □ Use of partograph: Principles, use and critical analysis, evidence based practice. □ Nursing management <p>Second stage</p> <ul style="list-style-type: none"> □ Physiology and intrapartum monitoring □ Nursing management □ Resuscitation, immediate newborn care and initiate breast feeding (Guidelines of National neonatology forum of India) <p>Third stage</p> <ul style="list-style-type: none"> □ Physiology and nursing management <p>Fourth stage</p> <ul style="list-style-type: none"> □ Observation, critical analysis and nursing management. □ Psycho-prophylactic measures in labour □ Evidence based practice
V	15 EF2	<p>Normal puerperium</p> <p>Review</p> <ul style="list-style-type: none"> □ Physiology of puerperium □ Physiology of lactation, exclusive breast feeding, Baby friendly hospital initiative (BFHI) □ Assessment of postnatal women. □ Minor discomforts and complications of puerperium □ Management of mothers during puerperium: Psychosocial adaptation □ Role of nurse midwifery practitioner

VI	15 (EF1)	Normal Newborn - Review <ul style="list-style-type: none"> □ Physiology and characteristics of normal newborn, Extra uterine adaptation □ Physical and behavioural assessment of newborn □ Essential newborn care □ Identification of high risk newborn& referral. □ Parenting process
VII	15 EF4	Pharmaco-dynamics in obstetrics <ul style="list-style-type: none"> □ Drugs used in pregnancy, labour, post partum and newborn □ Calculation of drug dose and administration □ Anesthesia and analgesia in obstetrics □ Roles and responsibilities of midwifery nurse practitioner □ Standing orders and protocols and use of selected life saving drugs and interventions of obstetric emergencies approved by the MOHFW
VIII	10 (EF 4)	Gynaecological assessment <ul style="list-style-type: none"> • history • physical examination • investigations • Psychosocial factors of gynaecologic care. Abortion <ul style="list-style-type: none"> □ Types, causes □ Legislations, Clinical rights and professional responsibility □ Abortion procedures □ Nursing Management
IX	5 (EF 3)	Infertility <ul style="list-style-type: none"> □ Male and female infertility □ Primary and secondary causes □ Diagnostic procedures □ Counseling: ethical and legal aspects of assisted reproductive technology (ART) □ Recent advancement in infertility management □ Adoption procedures □ Role of nurse in infertility management

10 EF2	<p>Family Welfare Services</p> <p>Review</p> <ul style="list-style-type: none"> □ Population dynamics □ Demographic trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems. □ Recent advancement in contraceptive technology □ Role of Nurses in family welfare programmes in all settings. □ Family life education. □ Evidence based practice. □ Information, Education and Communication (IEC) □ Management information and evaluation system (MIES) Teaching and supervision of health team members
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Practical Experience

Total = 900 Hours

1 week = 48 hours

Sl.No	Dept/ unit	Weeks
1	Antenatal wards, Infertility clinic	5
2	Labour Room	5
3	Postnatal Ward	4
4	Family welfare Clinics & OPDs	1
5	PHC/Rural Maternity settings	2
6	Maternity OT	2
	Total	19

Procedures to be Observed

- Diagnostic investigations: amniocentesis, cordocentesis, chorionic villus sampling, ultrasonogram.

- Infertility management: assisted reproductive techniques, artificial insemination, invitro fertilization and related procedures.

Procedures to be assisted

- Medical termination of pregnancy
- Male and female sterilization
- Major and minor operations.

Procedures to be performed

- Antenatal assessment : 20
- Postnatal assessment : 20
- Assessment during labour
 - Use of partograph : 20
- Per vaginal examination : 20
- Conduct of normal delivery : 20
- Episiotomy and suturing : 10
- Insertion of intra uterine devices (Copper-T)

Others

- Identification of high risk women and referral
- Health education to women and their families
- Motivation of couples for Planned Parenthood.

Observation visit

Infertility centre, 24/7 FRUs

Assignments

- Nursing care study –2 (Antenatal-1, postnatal-1)
Nursing care plan- Antenatal, Intranatal, postnatal and newborn
- Planned health education-2
- Clinical teaching-5-
- Case Presentation-2

Term paper -1

- Drug file
- Log book

Internal practical examination is to be conducted in antenatal and postnatal area.

University practical examination is to be conducted either in antenatal or post natal area.

Evaluation Methods

- Assignments
- Theory & Practical Exam
- Ongoing evaluation

Theory	Weightage	Practical	Weightage
Sessional exams (3)	50%	Ongoing evaluation	40%
Term paper -1	25%	Clinical assignment	40%
Seminars	25%	Int. Practical exam	20%
Total	100%	Total	100%

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Note: * Latest Edition

- National and international journals in nursing practice, nursing education, nursing research. Midwifery, Maternal health.

SECOND YEAR M.Sc NURSING

NURSING MANAGEMENT

Placement: II Year

Hours of Instruction

Theory	:150 Hours
Nurse Specialist	:105 Hours
External	:45 Hours
Practical	:200 Hours
Total	: 350 Hours

Course Description

This course is designed to assist students to develop a broad understanding of principles, concepts, trends and issues related to nursing management. Further, it would provide opportunity to students to understand, appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services.

Objectives

At the end of the course, students will be able to:

1. Formulate the philosophy and objectives of the health care institutions at various levels.
2. Identify trends and issues in nursing
3. Discuss the public administration, health care administration and nursing administration
4. Describe the principles of administration applied to nursing
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Discuss the planning, supervision and management of nursing workforce for various health care settings.
7. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care
8. Identify and analyze legal and ethical issues in nursing administration
9. Describe the process of quality assurance in nursing services.
10. Demonstrate leadership in nursing at various levels.
11. Organize staff development programme.

COURSE CONTENT

Unit	Theory	Content
I	10 *EF5	<p>Introduction</p> <ul style="list-style-type: none"> • Concepts of Management Philosophy, theories, elements, Principles, -(Review). Functions of administration Indian Constitution, Indian Administrative system health care delivery system: <li style="padding-left: 20px;">National, State and Local Organisation and functions of nursing services and education at National, State, District and institutions: Hospital and Community Planning process: Five year plans, Various Committee Reports on health, State and National Health policies, national population policy, national policy on AYUSH.
II	10	<p>Nursing management</p> <ul style="list-style-type: none"> Concept, types, principles and techniques Vision and Mission Statements Philosophy, aims and objective Current trends and issues in Nursing Administration Theories and models Application to nursing service and education Autonomy and accountability for nursing practice.
III	15 EF5	<ul style="list-style-type: none"> Planning and control Co-ordination and delegation Decision making – decentralization basic goals of decentralization. Strategic planning Operational plans Management plans Programme evaluation and review technique(PERT), Gantt chart, Management by objectives(MBO) Planning new venture Planning for change

		Innovations in nursing Application to nursing service and education
IV	15 EF5	Organisation Concept , principles, objectives, Types and theories, Minimum requirements for organisation, Developing an organizational Structure, levels, organizational Effectiveness and organizational, Climate, Organising nursing services and patient care: Methods of patient assignment- Advantages and disadvantages, primary nursing care, Planning and Organising: hospital, unit and ancillary services(specifically central sterile supply department, laundry, kitchen, laboratory services, emergency etc) Disaster management: plan, resources, drill, etc Application to nursing service and education
V	15 EF5	Human Resource for health Staffing Philosophy Norms: Staff inspection unit(SIU), Bajaj Committee, High power committee, Indian nursing council (INC) Estimation of nursing staff requirement- activity analysis Various research studies Recruitment: credentialing, selection, placement, promotion Retention Personnel policies Termination Staff development programme Duties and responsibilities of various category of nursing personnel Applications to nursing service and education

<p>VI</p>	<p>15 EF5</p>	<p>Directing</p> <p>Roles and functions</p> <p>Motivation: Intrinsic, extrinsic, Creating motivating climate, Motivational theories</p> <p>Communication : process, types, strategies, Interpersonal communication, channels, barriers, problems, Confidentiality, Public relations</p> <p>Delegation; common delegation errors</p> <p>Managing conflict: process, management, negotiation, consensus</p> <p>Collective bargaining: health care labour laws, unions, professional associations, role of nurse manager</p> <p>Occupational health and safety</p> <p>Application to nursing service and education</p>
<p>VII</p>	<p>10</p>	<p>Material management</p> <p>Concepts, principles and procedures</p> <p>Planning and procurement procedures : Specifications</p> <p>ABC analysis,</p> <p>VED (very important and essential daily use) analysis</p> <p>Planning equipments and supplies for nursing care: unit and Hospital</p> <p>Inventory control , Condemnation</p> <p>Application to nursing service and education</p>
<p>VIII</p>	<p>15 EF5</p>	<p>Controlling</p> <p>Quality assurance – Continuous Quality Improvement</p> <p>Standards, Models, Nursing audit</p> <p>Performance appraisal: Tools, confidential reports, formats, Management, interviews, Self evaluation or peer evaluation, patient satisfaction, utilization review Application to nursing service and education,</p> <p>Supervision and management: concepts and principles</p> <p>Discipline: service rules, self discipline, constructive versus destructive discipline, problem employees, disciplinary proceedingsenquiryetc</p> <p>Self evaluation or peer evaluation, patient satisfaction, utilization review</p>

		Application to nursing service and education
IX	15 EF5	Fiscal planning Steps Plan and non-plan, zero budgeting, mid-term appraisal, capital and Revenue Budget estimate, revised estimate, performance budget Audit Cost effectiveness Cost accounting Critical pathways Health care reforms Health economics Health insurance Budgeting for various units and levels Application to nursing service and education
X	10 EF5	Nursing informatics Trends General purpose Use of computers in hospital and community Patient record system Nursing records and reports Management information and evaluation system (MIES) E- nursing, Telemedicine, telenursing Electronic medical records
XI	10	Leadership Concepts, Types, Theories Styles Manager behavior Leader behavior , Assertiveness Effective leader: Characteristics, skills Group dynamics Power and politics , Visibility of nursing Lobbying Critical thinking and decision making

		Stress management Applications to nursing service and education
XII	10 EF5	Legal and ethical issues Laws and ethics Ethical committee Code of ethics and professional conduct Legal system: Types of law, tort law, and liabilities Legal issues in nursing: negligence, malpractice, invasion of privacy, defamation of character Patient care issues, management issues, employment issues Medico legal issues Nursing regulatory mechanisms: licensure, renewal, accreditation Patients rights, Consumer protection act(CPA) Rights of special groups: children, women, HIV, handicap, ageing Professional responsibility and accountability Infection control Standard safety measures

***EF- External Faculty**

PRACTICALS

1. Prepare prototype personal files for staff nurses, faculty and cumulative records
2. Preparation of budget estimate, revised estimate and performance budget
3. Plan and conduct staff development programme
4. Preparation of Organization Chart
5. Developing nursing standards/protocols for various units
6. Design a layout plan for specialty units /hospital, community and educational institutions
7. Preparation of job description of various categories of nursing personnel
8. Prepare a list of equipments and supplies for specialty units
9. Assess and prepare staffing requirement for hospitals, community and educational institutions
10. Plan of action for recruitment process
11. Prepare a vision and mission statement for hospital, community and educational institutions
12. Prepare a plan of action for performance appraisal

13. Identify the problems of the specialty units and develop plan of action by using problem solving approach
14. Plan a duty roster for specialty units/hospital, community and educational institutions
15. Prepare: anecdotes, incident reports, day and night reports, handing and taking over reports, enquiry reports, nurse's notes, official letters, curriculum vitae, presentations etc.
16. Prepare a plan for disaster management
17. Observation visit to a multispecialty teaching hospital and College and School of Nursing

Methods of Teaching

- Lecture cum discussion
- Seminar / Presentations
- Workshop

Methods of evaluation

- Tests
- Presentation
- Written assignments

Internal Assessment Techniques Weightage (%)

Sessional exam (3)	50
Assignments	25
Seminar/presentations	25

Total	100%
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Assignments

Theory

Statement of Philosophy, mission, vision and objective of a hospital. Prepare Job Descriptions of Various Categories of Nursing Personnel. Prepare Budget estimate for Nursing Department.

Compute Staffing Requirement of hospital (Yearly, Monthly, Weekly.)

Performance Appraisal Format for Nursing Staff.

Practical

Nursing Rounds	2
Clinical Teaching of Students	1
Staff Development Programme	1
Nursing Care Conference	1

Clinical Posting

Various Wards/ICUs of Hospital. - 4 Weeks

Office of Nursing Superintendent / Nursing Officer- 1 week

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CLINICAL SPECIALTY
OBSTETRIC AND GYNAECOLOGICAL NURSING II

Placement : II year

Hours of Instruction

Theory: 150 hours

Internal – 100

External - 50

Practical: 1450 hours

Total: 1600Hours.

COURSE DESCRIPTION

This course is designed to assist students in developing expertise and in-depth understanding in the field of Obstetric and Gynaecological Nursing. It will help the student to develop advanced nursing skills for nursing interventions in various obstetrical and gynaecological conditions. It will further enable the students to function as midwifery nurse practitioner/specialist, educator, manager and researcher in the field of obstetric and gynaecological nursing.

Objectives

At the end of the course the student will be able to:

1. Describe the epidemiology, aetiology, pathophysiology and diagnostic assessment of women with obstetric and gynaecological conditions.
2. Perform physical, psychosocial, cultural & spiritual assessment
3. Demonstrate competence in caring for women with obstetric and gynaecological conditions
4. Demonstrate competence in caring for high risk newborn.
5. Identify and Manage obstetrical and neonatal emergencies as per protocol
6. Practice infection control measures
7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynaecological and neonatal care
8. Demonstrate skill in handling various equipments/gadgets used for obstetric, gynaecologic and neonatal care
9. Teach and supervise nursing students and allied health workers
10. Design a layout of specialty units of obstetrics and gynaecology
11. Develop standards for obstetrics and gynaecologic nursing practice.
12. Counsel women and families

13. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing

14. Function as independent midwifery nurse practitioner

Unit	Hours	Content
I	25 (EF10)	<p>Management of problems of women during pregnancy</p> <ul style="list-style-type: none"> ➤ Risk approach in obstetrical nursing care concepts & goals ➤ Screening of high-risk pregnancy, newer modalities of diagnosis. ➤ Intrauterine foetal Therapies ➤ Nursing Management of pregnancies at risk-due to obstetrical complications <ul style="list-style-type: none"> • Pernicious Vomiting • Bleeding in early pregnancy, abortion, ectopic pregnancy, and gestational trophoblastic diseases. • Hemorrhage during late pregnancy, ante partum hemorrhage, placenta praevia, abruptio placenta • Hypertensive disorders in pregnancy, Gestational Hypertension, pre-eclampsia, eclampsia, Hemolysis , Elevated liver enzymes, low plateletcount (HELLP) • Gestational diabetes mellitus • Iso-immune disease, Rh & ABO incompatibility • Hematological problems in pregnancy • Hydramnios - oligohydramnios • Prolonged pregnancy-post term, post maturity • Multiple pregnancies. • Intrauterine infection & pain during pregnancy • Intra uterine growth restriction (IUGR), Premature Rupture of Membrane(PROM), intra uterine death. • Loss ,grief & bereavement.
II	15 (EF6)	<p>Pregnancies at risk-due to pre-existing health problems</p> <ul style="list-style-type: none"> ➤ Anemia and nutritional deficiencies ➤ Hepatitis

		<ul style="list-style-type: none"> ➤ Cardio-vascular disease ➤ Thyroid diseases ➤ Epilepsy ➤ Haematological disorders ➤ Essential hypertension ➤ Metabolic conditions ➤ Chronic renal failure ➤ Tropical diseases ➤ Psychiatric disorders ➤ Infections- Toxoplasmosis Rubella Cytomegalo virus Herpes (TORCH), Reproductive Tract Infection(RTI); STD;HIV/AIDS, vaginal infections; Leprosy, Tuberculosis ➤ Other risk factors: Age-Adolescents, elderly; unwed mothers, sexual abuse, substance use. ➤ Pregnancies complicating with tumors, uterine anomalies, prolapse, ovarian cyst.
III	25 (EF10)	<p>Abnormal labour, & obstetrical emergencies</p> <ul style="list-style-type: none"> ➤ Etiology, pathophysiology and nursing management of <ul style="list-style-type: none"> • Uncoordinated uterine actions, Atony of uterus,preterm labour, precipitate labour, prolonged labour • Abnormal lie, presentation, position. • Contracted pelvis-CPD; dystocia • Obstetrical emergencies- obstetric shock, vasa praevia, inversion of uterus, amniotic fluid embolism, rupture uterus, Cord presentation and prolapse of cord. • Medical and surgical induction • Version • Manual removal of placenta • Obstetrical operations: Forceps delivery, Ventouse, Caesarian section, Destructive operations • Genital tract injuries-Perineal tear, VVF, RVF <ul style="list-style-type: none"> ➤ Complications of third stage of labour: <ul style="list-style-type: none"> • Post partum Hemorrhage • Retained placenta, adherent placenta <p>Critical care in obstetrics- role of the nurse</p>
IV	10 (EF4)	<p>High risk Puerperium</p> <ul style="list-style-type: none"> ➤ Nursing management of PPH <ul style="list-style-type: none"> • Puerperal infections, puerperal sepsis • Sub involution of uterus

		<ul style="list-style-type: none"> • Breast complications. • Urinary and bowel complications • Coagulation disorders • Sheehan's syndrome • Obstetric palsies • Psychological complications.
V	25 (EF8)	<p>High Risk Newborn</p> <p>- Concept, goals, assessment, principles.</p> <p>- Nursing management of</p> <ul style="list-style-type: none"> • Pre-term, small for gestational age, post-mature infant and baby of diabetic and substance use mothers. • Respiratory complications; Asphyxia neonatorum, neonatal apnoea, meconium aspiration syndrome, pneumothorax, pneumo mediastinum. • Icterus neonatorum. • Birth injuries. • Hypoxic ischaemic encephalopathy. • Congenital anomalies. • Neonatal seizures. • Neonatal hypocalcaemia, hypoglycemia, hypomagnesaemia. • Neonatal heart diseases. • Neonatal hemolytic diseases. • Neonatal infections, neonatal sepsis, ophthalmia neonatorum. Congenital syphilis, HIV/ AIDS • Advanced neonatal procedures. • Calculation of fluid requirements. • Hematological conditions – erythroblastosis fetalis, hemorrhagic disorders in newborn. • Organization of neonatal care, services (Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU
VI	10 (EF4)	<p>HIV / AIDS</p> <ul style="list-style-type: none"> • HIV positive mother and her baby • Epidemiology • Screening • Parent to child transmission (PTCT) • Prophylaxis for mother and baby • Standard safety measures • Counseling • Breast feeding issues • National policies and guidelines • Issues: Legal, ethical, psychological and rehabilitation • Role of nurse

VII 30 (EF8)		Gynaecological problems and nursing management <ul style="list-style-type: none"> • Gynaecological assessment-review • Gynaecological procedures. • Etiology, pathophysiology, diagnosis, and nursing management of <ul style="list-style-type: none"> - Menstrual irregularities, Menopause -DUB, PCOD, genital tract infections - Endometriosis, adenomyosis, pelvic inflammatory diseases - Diseases of genital tract -Uterine displacement -Genital prolapse -Uterine malformation- -Benign and Malignant tumors - Uterine fibroid, ovarian tumors, breast carcinoma, , reproductive tract malignancies, hysterectomy – vaginal and abdominal Laparoscopic surgery - Sexual abuse, rape, trauma, assault.
VIII	5	Administration and management of obstetrical and gynaecological unit <ul style="list-style-type: none"> • Design and layout • Staffing • Equipment , supplies, • Infection control; Standard safety measures • Quality Assurance: Obstetric auditing – records / reports, Norms, policies and protocols • Practice standards for obstetric and gynaecological unit.
IX	5	Education and training in obstetric and gynaecological care <ul style="list-style-type: none"> • Staff orientation, training, and development • In-service education programme • Clinical teaching programs

Practicals

Total =1450 Hours

1 week = 48 Hours

Sl.No	Deptt./Unit	No.of weeks
1	Antenatal OPD , ART Centre	4
2	Antenatal and postnatal ward	11(6+5)
3	Labour Room	4
4	Neonatal Intensive Care Unit	2
5	Obstetric / Gynae Operation Theatre	2
6	Gynaecology Ward	2
7	Post operative ward	3
8	CHC, PHC,SC	2
	Total	30

Essential Obstetric and gynaecological skills

Procedures to be observed

- Ultra sonography
- Specific laboratory tests.
- Amniocentesis.
- Cervical & vaginal cytology.
- Fetoscopy.
- Hysteroscopy
- MRI
- Surgical diathermy.
- Cryosurgery.

Procedures assisted

- Obstetric & Gynaecological operations
- Abnormal deliveries – Forceps application, Ventouse, Breech
- Exchange blood transfusion

- Culdocscopy
- Cystoscopy
- Laparoscopy
- Endometrial Biopsy
- Tubal patency test
- Chemotherapy
- Radiation therapy
- Medical termination of pregnancy
- Dilatation & Curettage
- Hysterectomy- Abdominal, Vaginal
- Caesarean Section

Procedures to be performed

- History taking
- Physical Examination – General
- Antenatal assessment - 20
- Pelvic examination
- Assessment of risk status.
- Assessment of intra uterine foetal well -being , kick chart and foetal movement chart, Doppler assessment, Non stress test, Contraction stress test (Oxytocin challenge test).
- Universal precautions – Disposal of biomedical waste.
- Per Vaginal examination and interpretation (early pregnancy, labour, post partum).
- Utilization of Partograph
- Medical & Surgical induction (Artificial rupture of membranes)
- Conduct of delivery - 20.
- Repair of tears and Episiotomy suturing.
- Controlled cord traction, Manual removal of placenta, placental examination.
- Postnatal assessment- 20
- Management of breast engorgement
- Thrombophlebitis (White leg)
- Post natal Counseling
- Laboratory tests: Blood – Hb, Sugar, Urine – albumin, sugar
- Breast examination and Breast care.

- Postnatal exercise.
- Assessment - New born assessment; physical and neurological, Apgar score, high- risk new born, Monitoring neonates; Clinically and with monitors, Capillary refill time, Assessment of jaundice, danger signs.
- Neonatal resuscitation
- Gastric Lavage of newborn
- Care of new born in ventilators, Radiant warmer and Incubator
- Kangaroo mother care.
- Assisting mother with exclusive Breast feeding
- Feeding technique: Katori, spoon, naso /orogastric, Total parenteral nutrition.
- Assessment, calculation and administration of fluids and medications:
 - Oral
 - I.D
 - I.M
 - I.V – Securing IV line, infusion pump

Administration of drug per rectum

- Capillary blood sample collection
- Oxygen therapy
- Phototherapy
- Chest physiotherapy
- Counseling – Parental, bereavement, family planning, infertility etc
- Setting of operation theatre.
- Pap smear
- Vaginal smear
- Insertion of pessaries
- Insertion of IUD and removal
- Teaching skills
- Communication skills
- Prepare referral slips
- Pre transport stabilization
- Networking with other stake holders

Assignments

Nursing care study-3 (antenatal, gynaec, postnatal)

- Clinical profile-1 (antenatal/gynaec)
- Nursing care analysis- 1 (antenatal-/gynaec)
- Nursing care plan based on theories
- Clinical teaching-3
- Case presentation -2
- Organize In-service education programme for nurses.
- Development of performance evaluation tool-1
- Critical analysis of research studies-1
- Design floor plan of obstetric unit-1
- Term paper
- Preparation of protocol (AN/IN/PN/Newborn)
- Logbook

Evaluation

- Assignments
- Theory & Practical Exam
- Ongoing evaluation

Theory	Weightage	Practical	Weightage
Sessional exams (3)	50%	Ongoing evaluation	40%
Term paper -1	25%	Clinical assignment	40%
Seminars	25%	Int. Practical exam	20%
Total	100%	Total	100%

References *:-

- Lowdermilk, Perry, Bobak. Maternity Nursing. Mosby, Inc.
- Glenn D.Posner,Jessica,Amanda D Jones,Griffith D jones.macGraw hill Education.london
- Sharon, Emily &TrulaMayers. Foundations of Maternal &Newborn Nursing. W.B.Saunders, Philadelphia.
- Reeder, Martin, Koniak-Griffin .Maternity Nursing. Lippincott. Philadelphia.
- Helen Varney, Jan M Kriebs, Cardyc L Gesa, Midwifery. Jones & Bartlett publisher.
- Susan L Ward and Sheltar M Histely, Maternal –Child Nursing Care Optimizing outcomes for Mothers, Children and families-Jay Pee Brothers, New Delhi.

- Cunnigham, Mac Donald, Gand, Leveno, Gilstrap, Hankins & Clark. William's Obstetrics. Prentice Hall International, U.S.A.
- Adele Pillitteri. Maternal & Child Health Nursing. Lippicott, Philadelphia.
- Ratnam, Bhasker Rao, Arulkumaran. Obstetrics & Gynaecology for Post graduates. Orient Longman Ltd, Chennai.
- Hacker, Moore. Essentials of Obstetrics & Gynaecology. Harcourt Brace &Company, Asia PTE Ltd.
- Pankaj Desai, Narendre Mehare, Durushel, Principles and Practice of Obstetrics & Gynaecology for Post Graduates – 3rded, JP, New Delhi
- Women's Health and Guide to Health Promotion and disorders management, Lippincott, Philadelphia.
- Arias, Shrish N Dutta 2008, 3rdedn, Practical Guide to High risk Pregnancy Delivery, ELSEVIER.
- Dutta. Drugs in Pregnancy –How Safe? Jaypee Brothers.
- **Note:** * Latest Edition.
- National and international journals in nursing practice, nursing education, nursing research. Midwifery, Maternal health, Nursing management, Continuing Nursing education, Neonatology and Nursing.

2.11 No: of hours per subject.

As given under “Content of each subject in each year “

2.12 Practical training.

As given under “Content of each subject in each year “

2.13 Records

Proper records of practical work should be meticulously maintained and duly signed by the supervising teacher should be submitted at the time of University practical examinations.

2.14 Dissertation: Guide/Co-Guide/ Change of Guide

Dissertation

Every candidate pursuing M .Sc Nursing course is required to carry out work on a selected research project under the guidance of a recognized postgraduate teacher. The results of such a work shall be submitted in the form of a dissertation.

The dissertation is aimed to train a postgraduate student in research methods and techniques. It includes identification of problem, formulation of hypothesis, review of literature, getting acquainted with recent advances, designing of a research study, collection of data, critical analysis, and comparison of results and drawing conclusions.

Every candidate shall submit to the University in the prescribed format a synopsis containing particulars of proposed dissertation work after obtaining ethical clearance from the Institutional Ethical Committee comprising principal/ Senior Professor of College of Nursing, **within ninemonths from the date of commencement of the course on or before the dates notified by the University.** The synopsis shall be sent through the proper channel.

Such proposal will be reviewed and the dissertation topic will be registered by the university. No change in the dissertation topic or Guide shall be made without prior approval of the University.

Tentative Schedule for dissertation

S. No.	Activities	Scheduled Time
1	Submission of the research proposal	End of 9th month of 1st year
2	Submission of dissertation Final	End of 9th month of IIInd Year

The dissertation should be written under the following headings:

1. INTRODUCTION
2. REVIEW OF LITERATURE
3. METHODOLOGY
4. ANALYSIS & INTERPRETATION
5. RESULTS
6. DISCUSSION, SUMMARY AND CONCLUSION

REFERENCES

APPENDICES

Dissertation style: Vancouver style format is used.

The written text of dissertation shall be not less than 75 pages and shall not exceed 100 pages excluding references, questionnaires, and other annexures. It should be neatly typed (font size 12-Times New Roman) in double line spacing on one side of the bond paper (A4 size, 8.27 x 11.69”) and bound properly. Spiral binding should be avoided. The Guide and the Head of the Institution shall certify the dissertation. Checking of Plagiarism may be done as per university norms.

The scientific committee of the college should scrutinize and evaluate the thesis and make required corrections if necessary and accept with modification before submitting to the University.

Four copies of the dissertation prepared shall be submitted to the Principal of the institution for onward transmission to University on the 21st month of commencement of the course.

Hall ticket for the second year examination should be issued to the candidate only after the dissertation has been submitted to the University.

Guidelines for submission of dissertation is given in Annexure

Research Guides

a) Qualification of Guide

Main guide: Nursing faculty / nursing expert in the field of study holding Ph.D. /M.Phil/M.Sc. Nursing with a minimum of 3 years experience in teaching in the Post Graduate Programme in Nursing.

Co-Guide: A Co-Guide is a nursing faculty/expert in the field of study (may be from outside the college but should be within the district)

b) Guide – Students Ratio

Maximum of 1:5 (including as co-guide)

Change of Guide –In the event of a registered guide leaving the college for any reason or in the event of death of Guide, Guide may be changed with prior permission from the University.

c) Research Committee

There should be a research committee/scientific review committee in each college comprising of minimum 5 Post Graduate Faculty representing all specialty chaired by the Principal, College of Nursing.

2.15 Specialty training if any

Nil

2.16 Project work to be done if any

Included in Clinical Assignments as given in “Content of each subject in each year “

2.17 Any other requirements [CNE, Paper Publishing etc.]

As given under “Content of each subject in each year “

2.18 Prescribed/recommended textbooks for each subject

As given under “Content of each subject in each year “

2.19 Reference books

As given under “Content of each subject in each year “

2.20 Journals

As given under “Content of each subject in each year “

2.21 Logbook

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified

and certified by the Head of the Institution and presented in the University practical examination.

3 EXAMINATIONS

3.1 Eligibility to appear for exams

a) Attendance and Marks

Candidate should have 80% attendance for both theory and practical, with minimum 50% of internal marks in each subject both in theory & practical. However 100% of attendance should be completed for practical before the award of degree. There is no provision for condonation of attendance for the PG candidates.

b) Examination fee

The examination fee should be remitted for each examination appeared for. A fee as stipulated by the University should also be remitted for the evaluation of the dissertation.

c) Log Book

Every candidate shall maintain a log book for recording performance of activities/ procedures/ attending/ organizing workshop/ conferences. The logbook shall be verified and certified by the Head of the Institution and presented in the University practical examination.

3.2 Schedule of Regular/Supplementary exams

Regular University Examination will be conducted at the end of each academic year and Supplementary examinations will be conducted once in a year after regular examination.

3.3 Scheme of examination showing maximum marks and minimum marks

	Theory					Practical					Total
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
1st year											
Nursing Education	3	25	12.5	100	50		50	25	100	50	275
Advanced Nursing Practice	3	25	12.5	100	50						125
Nursing Research & Statistics	3	25**	12.5	100*	50						125
Obstetric & Gynaecological Nursing- 1	3	25	12.5	100	50	4 hrs	100		100		325
											850
2nd year											
	Hours	Internal Marks		External Marks		Hours	Internal Marks		External Marks		Total
		Maximum	Minimum	Maximum	Minimum		Maximum	Minimum	Maximum	Minimum	
Nursing Management	3	25	12.5	100	50						125
Dissertation Viva							100	50	100	50	200
Obstetric & Gynaecological Nursing 11	3	25	12.5	100	50	4 hrs	100	50	100	50	325
											650
Total of Ist & IInd Year											1500

* Nursing Research (External) =75Marks and Statistics (External) =25 Marks

**Nursing Research (Internal) =15 and Statistics (Internal) =10

1. There shall be one regular & one supplementary examination every year.
2. Minimum pass marks shall be 50 % in each of the Theory and practical papers separately.
3. A candidate has to pass in theory and practical exam separately in each of the paper.
4. There is no provision for grace marks for pass in PG examination.
5. Maximum number of candidates for all practical examination should not exceed ten

per day.

6. One internal and one external examiner should evaluate dissertation and jointly conduct viva-voce for each student.
7. For Dissertation internal examiner and external examiner should be a Nursing faculty / Nursing expert in the same clinical specialty holding Ph.D./M.Phil/M.Sc. Nursing with a minimum of 3 years experience in guiding the research projects for Post Graduate students of Nursing.

3.4 Papers in each year

As given under “ Scheme of examination showing maximum and minimum mark “

3.5 Details of theory exams [include number of papers, Duration, Type of questions & number of questions and marks

As given under “Scheme of examination showing maximum and minimum mark “and 2.27

3.6 Model question paper for each subject with question paper pattern

Refer Annexure 1

Question Paper Pattern

I) All subjects with Maximum Marks:100		
Long Essay	1x20 marks 1x15 marks	35 marks
Short Essay	4x10 marks	40marks
Short Notes	5x5 marks	25 marks
Total Marks		100 marks
II) Nursing Research Max.marks:75		
Long Essay	2x15 marks	30 marks
Short Essay	3x10 marks	30 marks
Short notes	3x 5 marks	15 marks
Total Marks		75 marks
III) Statistics : 25 marks		
Statistical Calculations	1x10 marks	10 marks
Short notes	3x5 marks	15 marks
Total Marks		25 marks

**I YEAR M.SC (NURSING) DEGREE EXAMINATION
ADVANCED NURSING PRACTICE**

Model question paper

Time : Three hours Maximum marks : 100 marks

Answer all questions

- I a. Define the concept of health promotion
b. Explain the major assumptions of Penders' Health promotion model.
c. Describe the application of Health Promotion Model in the management of obesity among women in the reproductive age group.

(2+8+10 = 20 marks)

2. Mr. M is admitted in the surgical ward with hemorrhagic shock after road traffic accident.

- a. Explain the pathophysiology of haemorrhagic shock
b. List any 3 nursing diagnosis according to priority for this patient and prepare a care plan.

(5+10=15marks)

3. Describe the basic elements and explain the barriers of communication (10 marks)

4. Describe the challenges faced by the Health care delivery system in Kerala (10 marks)

5. Briefly explain the safe disposal of biomedical wastes (10 marks)

6. Explain the principles and techniques of counseling (10 marks)

Write short notes on (5x 5 = 25 marks)

7. Anti retroviral therapy
8. Use of computers in nursing practice
9. Haemodialysis
10. Metabolic acidosis
11. Genetic counseling

(10marks)

QP Code:

Reg. No.:.....

**FIRST YEAR M.Sc NURSING DEGREE EXAMINATION
NURSING RESEARCH & STATISTICS
MODEL QUESTION PAPER**

Time: Three Hours. Maximum: 100

Marks

Answer Section A and B in separate answer books

SECTION A : NURSING RESEARCH

Max. Marks : 75

1. Write a research proposal for a research problem 'quality of life of patients with AIDS'.
15
2. Describe observation as a method of data collection. 15
3. Explain the criteria for selection of a research problem. 10
4. Describe the methods of controlling extraneous variables. 10
5. Explain the different types of sampling. 10

Write Short notes on

6. Evidence based practice.
7. Grounded theory.
8. Purposes of literature review. (3x5=15)

Section B: statistics

9. Which is the appropriate statistical test to conclude the data given below; growth status and exposure to infection are associated. Conduct the statistical test and arrive your conclusion about data. P value at 5% level significance is 3.84

Growth status	infected	Non infected	Total
good	80	90	170
poor	240	110	350
total	320	300	620

10

SHORT NOTES

10. Properties of normal distribution.

11. Describe different methods of dispersion with merits and demerits

12. Reliability

3x 5 =15

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

NURSING EDUCATION

Model question paper

Time : 3 hrs

Max.marks:100

Answer All Questions

1. Explain the current trends in nursing education in India. (20)
2. Prepare the philosophy for a newly started college of nursing (15)
3. Plan a counselling session for nursing students. (10)
4. Describe the role of teachers in the development of pupil in nursing (10)
5. Describe the importance of non –projected aids in nursing education (10)
6. Describe the importance of questioning in education. (10)

WRITE SHORT NOTES

7. Aims of education.
8. Characteristics of an evaluation tool
9. Micro teaching
10. Objective structural practical examination
11. Formative and summative evaluation. (5x5=25)

QP Code:

Reg. No.:.....

First Year MSc Nursing Degree Examinations

Obstetric and Gynecological Nursing I

Clinical Specialty - 1

Model Question paper

Time : 3 hrs

Max marks:100

Answer all questions

Long essays

1. Define antenatal care. What are the objectives and components of antenatal care. Explain the care of a pregnant mother in the third trimester. (2+8+10=20)
 2. Describe the physiology of first stage of labour. Explain the nursing management of a woman in the first stage of labour. (6+9=15)
 3. Discuss the biochemical assessment of foetal wellbeing in early pregnancy. (10)
 4. Explain the ethical and legal aspects of Assisted Reproductive Technologies(10)
 5. Discuss development of fertilized ovum till eight weeks (10)
 6. Importance of preventive Obstetrics (10)
- Write short notes on
7. Causes of female infertility.
 8. Assessment of postnatal women.
 9. Nursing care in threatened abortion.
 10. Oxytocin
 11. Population dynamics (5x5=25)

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

(Model Question Paper)

NURSING MANAGEMENT

Time: 3 hrs Max. Marks: 100

Answer all questions

Time: 3 hrs

Max. marks: 100

Answer all questions.

1. Explain the principles of management with suitable examples. (20)
 2. Prepare an evaluation tool for performance appraisal of staff nurses. (15)
 3. Explain the utilization of theories of management in nursing service with suitable examples. (10)
 4. Explain the role of nurse administrator in supervision. (10)
 5. Explain the challenges and current trends in nursing administration. (10)
 6. Describe the steps of material management. (10)
- Write short notes (5x5=25)
7. Collective bargaining
 8. Nurses role in occupational health and safety.
 9. Legal issues in nursing
 10. Quality circle
 11. Conflict management

QP Code:

Reg. No.:.....

Second Year M.Sc Nursing Degree Examinations

Obstetric and Gynecological Nursing

Clinical Specialty - 11

Model Question paper

Time : 3 hrs

Max marks:100

Answer all questions

1. Briefly explain causes and manifestations of antepartum haemorrhage. Explain the management of abruption placenta. (8+12=20)
2. Outline the design, layout, staffing, supplies and equipment in labour room with 10 beds. Discuss infection control measures in neonatal intensive care unit. (9+6=15)
3. Discuss the outcome and management of breech presentation in labour. (10)
4. Explain the characteristics and assessment of preterm newborn. (10)
5. Explain nurses role in prevention and management of atonic haemorrhage. (10)
6. Explain the effects of pregnancy on diabetes and diabetes on pregnancy. (10)

Write Short notes:

7. Post partum psychosis.
8. Prevention of parent to child transmission of HIV.
9. Plan an in service education programme in obstetric unit for the head nurses
10. Management of neonatal hypoglycaemia
11. Prevention of genital prolapse. (5x5=30)

3.7 Internal assessment component

- a) There shall be a minimum of 3 periodic assessments, for theory and practical including viva separately, of which the final one will be University model examination and is mandatory.
- b) Average of the marks of the best two periodic assessments shall be taken as internal assessment mark of the candidate. Marks of evaluation by other methods like assignments, seminars, projects etc. can be added to the internal marks.
- c) The class average of internal assessments mark of theory and practical should not exceed 75% of Maximum marks.
- d) The class average of internal assessment for an examination shall be calculated based on the total number of candidates in a particular batch appearing for that internal assessment examination.
- e) The candidate must secure 50% marks for internal assessment in theory and practical including viva separately in a particular subject in order to be eligible to appear in the university examination of the subject.
- f) In cases where the candidate is permitted to improve the internal assessment marks, the new marks will be taken as final.
- g) The internal marks shall be signed by the candidate before transmission to the University

3.8 Details of practical/clinical practicum exams

Practicals

- 4 hours of practical examination per student.
- Maximum number of 10 students per day per specialty.
- The examination should be held in concerned clinical area for clinical specialties. Facility for observation of all candidates at a time in the same ward / clinical area by the examiners during practical examinations is mandatory.
- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.
- Follow the evaluation guidelines for the conduct of practical examinations, Refer 2.10.

3.9 Number of examiners needed (Internal & External) and their qualifications

- One internal and external examiner should jointly conduct practical examination and viva voce separately for each student.

Examiner – Nursing faculty teaching respective specialty area/subjects in M.Sc nursing programme with minimum 3 years post graduate teaching experience.

The examiners should do evaluation of dissertation prior to viva.

3.10 Details of viva:

Duration: Viva-Voce -minimum 30 minutes per student.

4 INTERNSHIP

4.1 Eligibility for internship

Not applicable.

4.2 Details of internship

Not applicable.

4.3 Model of Internship Mark lists

Not applicable.

4.4 Extension rules

As given under “Leave , Vacation /holidays permitted”

4.5 Details of training given

Not applicable.

5 ANNEXURES

5.1 Check Lists for Monitoring: Log Book, Seminar Assessment etc.

As given under clause “Content of each subject in each year “

GUIDELINES FOR WRITING DISSERTATION

Title (Capital)

Emblem (University)

Students' name (Capital)

Name of the college

DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT

OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE IN NURSING

KERALA UNIVERSITY OF HEALTH SCIENCES

Year

.....Title.....

By

Name of the Candidate

Dissertation submitted to the

Kerala University of Health Sciences

Thrissur

In partial fulfilment of the requirements for the degree of

Degree Name

in

Subject Name

Under the guidance of

Name of the Guide

Name of the Department

Name of the college

Place

Year

DECLARATION BY THE CANDIDATE

I hereby declare that this dissertation entitled
“.....Title.....” is a bonafide and genuine research work carried out by
me under the guidance of Name & designation of the Guide.

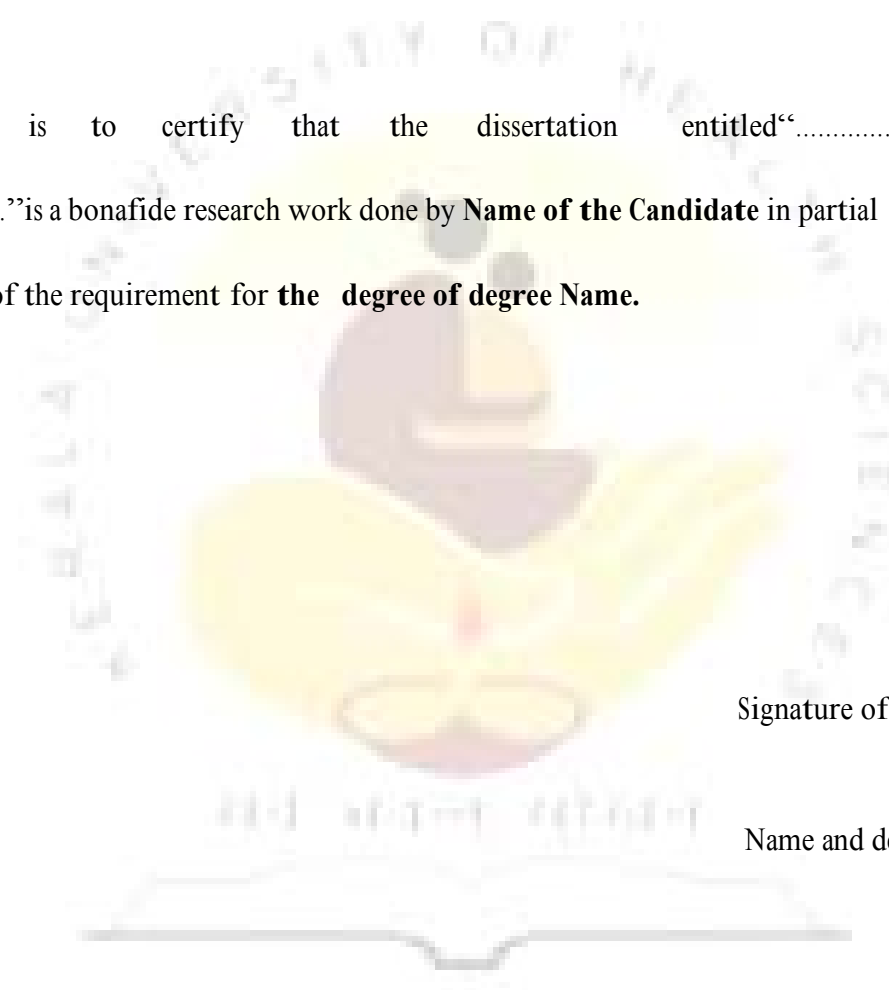
Signature of the candidate

Date:

Place:

CERTIFICATE BY THE GUIDE

This is to certify that the dissertation entitled“.....
Title.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**



Signature of the Guide

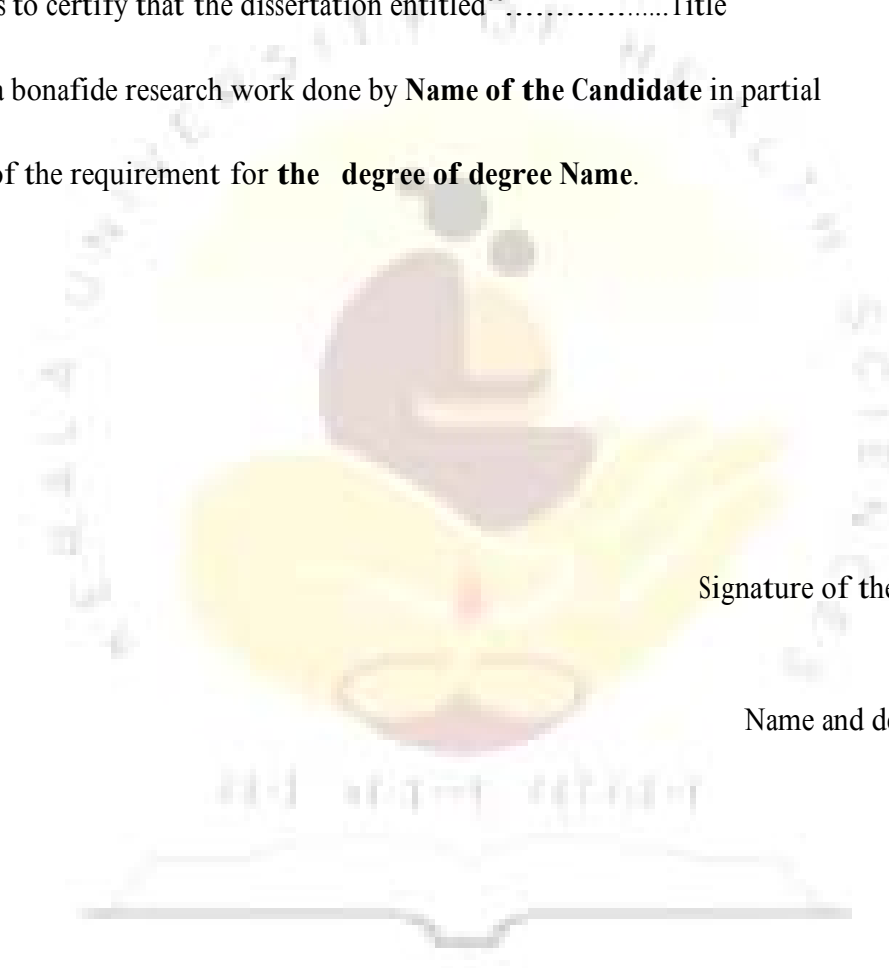
Name and designation

Date:

Place:

ENDORSEMENT BY THE HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled“.....Title
.....”is a bonafide research work done by **Name of the Candidate** in partial
fulfilment of the requirement for **the degree of degree Name.**



Signature of the Principal

Name and designation

Date:

Place:

(College seal)

COPY RIGHT

DECLARATION BY THE CANDIDATE

I hereby declare that the Kerala University of Health Sciences, Kerala shall have
The rights to preserve, use and disseminate this dissertation in print or electronic
Format for academic/ research purpose.

Signature of the candidate

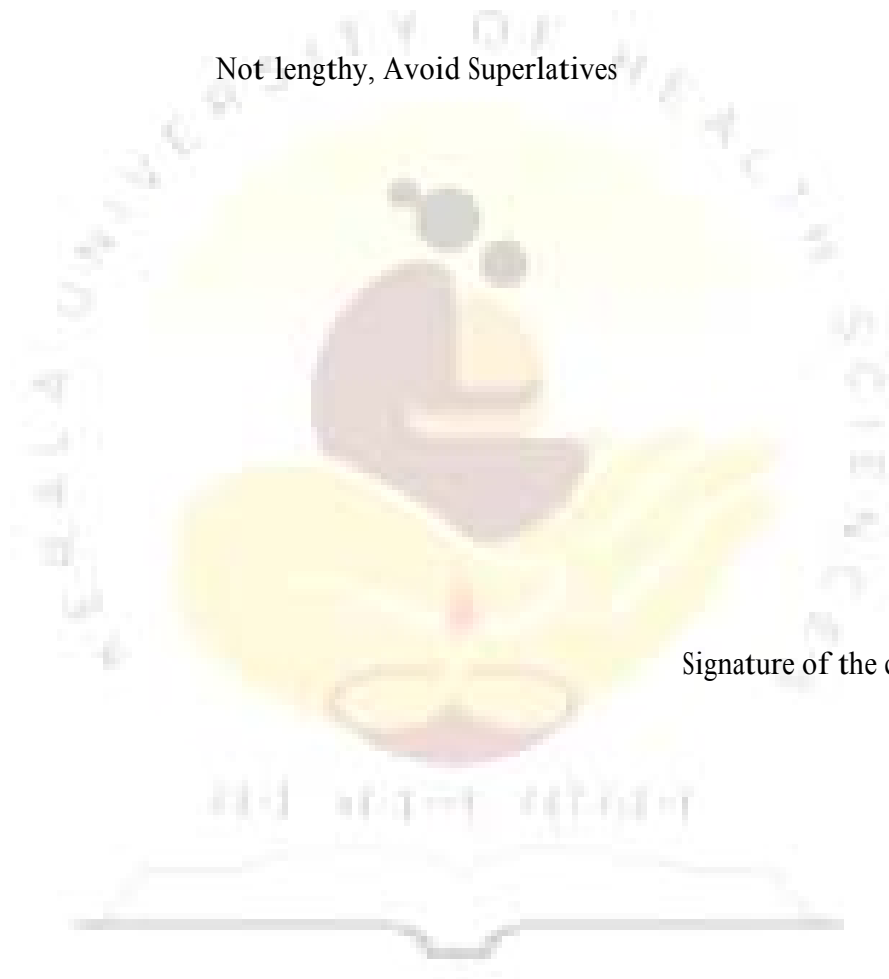
Date:

Place:

Name

ACKNOWLEDGEMENT

Not lengthy, Avoid Superlatives



Signature of the candidate

Date:

Place:

Name

ABSTRACT

(Includes problem and objectives, methodology, results, interpretation and conclusion

In a single paragraph limited to 250-300 words)

Keywords

(Max.10)

Keywords shall be chosen from Nursing Subject Headings

(Each key word should be separated by semicolon)

TABLE OF CONTENTS

List of tables

List of figures /Graphics

Chapters	Titles	PageNo.
1.	INTRODUCTION	
2.	REVIEW OF LITERATURE	
3.	METHODOLOGY	
4.	ANALYSIS & INTERPRETATION	
5.	RESULTS	
6.	DISCUSSION, SUMMARY AND CONCLUSION	
	REFERENCES	
	APPENDICES	

LIST OF TABLES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF FIGURES (14size,Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

1.

2.



LIST OF APPENDICES (14size, Bold)

Sl.No.	Title	PageNo.
--------	-------	---------

A.

B.

C.

D.



CHAPTER 1

INTRODUCTION (14size,Bold)

Sub headings (12size,bold)

Background of the problem

Need and significance of the study

Statement of the problem

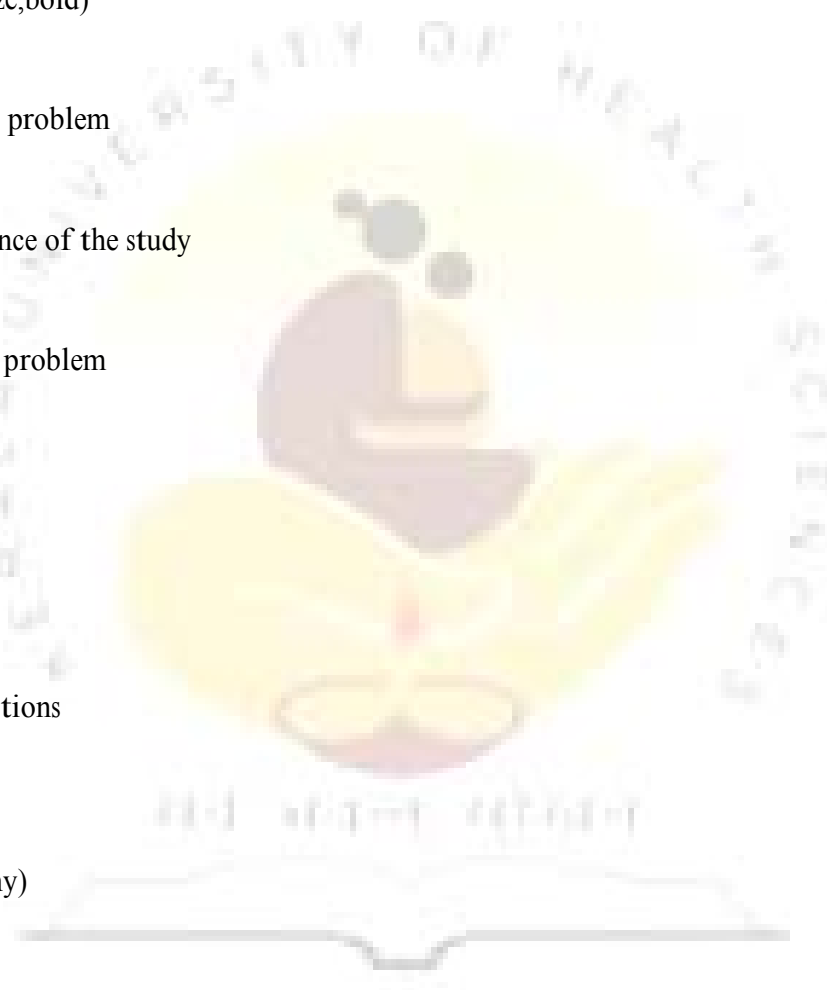
Objectives

Operational definitions

Assumptions (if any)

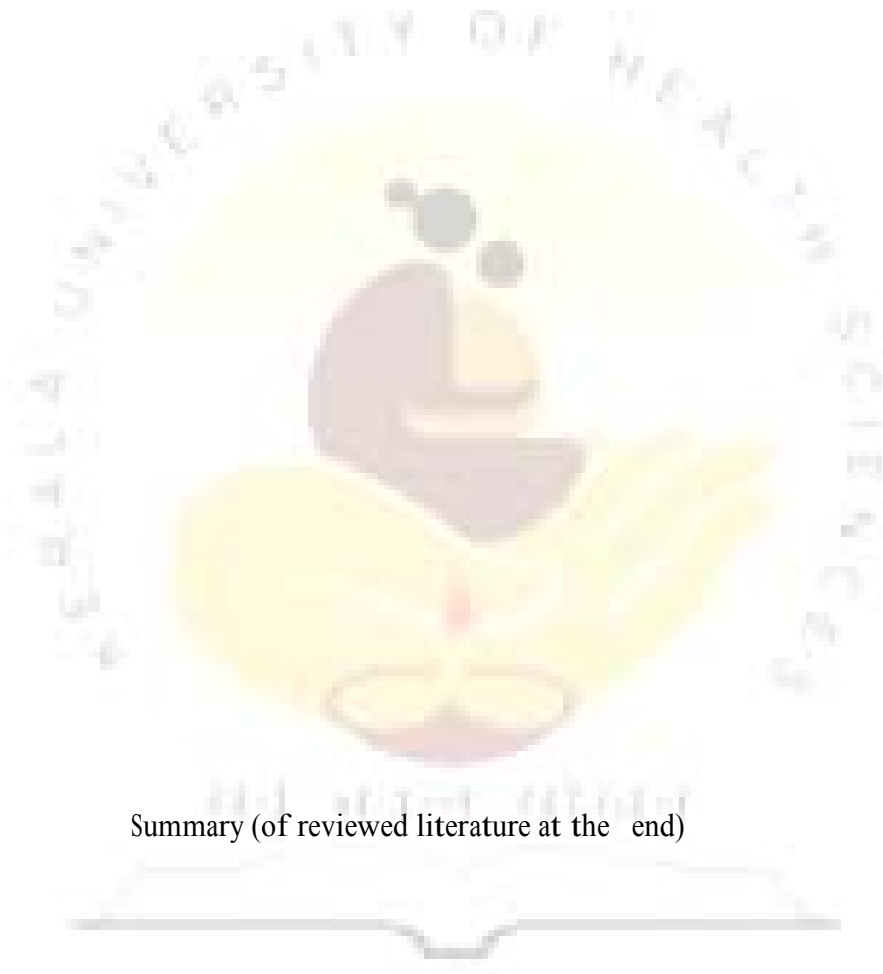
Hypothesis (Write research hypothesis)

Conceptual/theoretical framework



CHAPTER 2 (14size, bold)
REVIEW OF LITERATURE

Sub heading of the literature reviewed (12size, bold)



Summary (of reviewed literature at the end)

CHAPTER 3 (14size,bold)

METHODOLOGY

Research approach

Research design

Variables

Schematic representation of the study

Setting of the study

Population

Sample and sampling technique

Inclusion criteria

Exclusion criteria

Tool/Instruments

Development/selection of the tool

Description of the tool

Content validity

Reliability of the tool

Pilot study

Data collection process

Plan for data analysis

CHAPTER 4 (14size, bold)

ANALYSIS AND INTERPRETATION

Section title

(Section wise presentation of data)



CHAPTER 5 (14size, bold)

RESULTS

Objectives

Hypotheses

Results



CHAPTER 6 (14size, bold)

DISCUSSION, SUMMARY AND CONCLUSION

Discussion

Summary

Conclusion

Nursing Implications

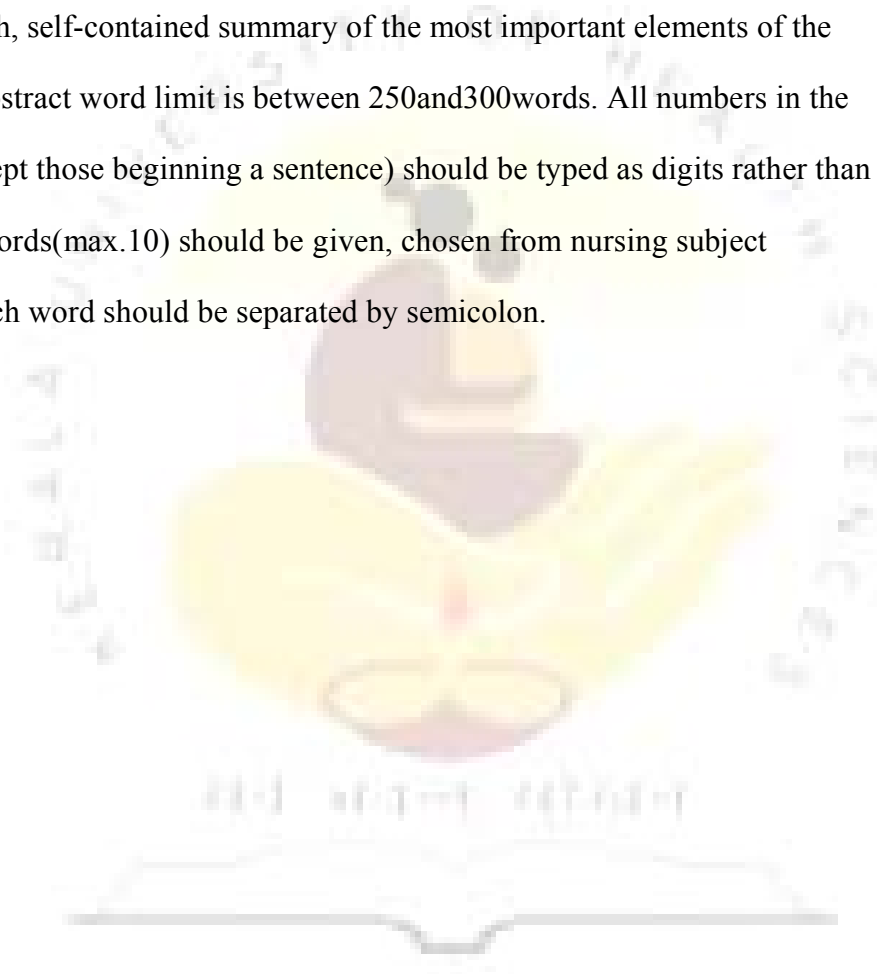
Limitations

Recommendations



Abstract

Abstract provides a brief summary of the dissertation/thesis, summing up clearly the problem examined, the methods used and the main findings. The abstract is a one-paragraph, self-contained summary of the most important elements of the paper. The abstract word limit is between 250 and 300 words. All numbers in the abstract (except those beginning a sentence) should be typed as digits rather than words. Keywords (max. 10) should be given, chosen from nursing subject headings. Each word should be separated by semicolon.



Proforma for Submission of M. Sc Nursing Dissertation Proposal

1. Name & Address of Student:
2. Email ID of the Student:
3. Registration Number:
4. Name & Address of Institution:
5. Title of the Dissertation:
6. Name of the Guide:
7. Address, phone number and E-mail ID of the Guide:
8. Educational Qualification of the Guide:
9. Experience of teacher in guiding postgraduate students. (in years):
10. Experience of teacher in guiding M.Phil/Ph.D students if any. (in years):
11. Synopsis of the study: Attached – Yes/No

Date:

Signature of the Guide

Enclosures:

I.) Bio- Data of the Guide

II.) proposal of the study (maximum 4-6 pages)

Proposal Outline

Title

Background / Need and Significance of the problem.

Purpose of the study

Statement of the problem and Objectives of the study

Operational Definitions

Conceptual Framework

Assumptions/ Hypotheses

Research Methodology

- a. Research Approach
- b. Research Design
- c. Setting
- d. Population, Sample, Sampling Technique & sample size, inclusion & exclusion criteria
- e. Tools & Technique
- f. Pilot Study
- g. Plan for data collection
- h. Plan for data analysis

Work Plan

Budget

Ethical Considerations

Reference- Vancouver style

Tools /instrument

Appendices –

Consent (English)

Tools/Instrument (English)

Guidelines in writing synopsis

- ☐ The research protocol should be of about 1200 words (6 pages of A4 size) on the topic. The research protocol should be submitted with a covering letter signed by the candidate and guide.
- ☐ The work on and writing of protocol/ dissertation should be done under the Guide approved by the University.
- ☐ The guide must be an active P.G teacher and qualified as per INC and the University norms.
- ☐ The synopsis should be signed by the candidate and forwarded through the Guide, Departmental head and Principal of the Institution.

KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES

MEDICAL COLLEGE P.O., THRISSUR – 680 596

PROFORMA FOR RECOGNITION OF POST GRADUATE TEACHER

[Read the instructions carefully before filling up the proforma]

Affix Photo

1. NAME:

(in block letters)

2. DATE OF BIRTH: AGE:

(Attested copy of SSLC marks card / proof of date of birth to be enclosed)

3. PRESENT DESIGNATION:

4. DEPARTMENT:

5. ADDRESS:

COLLEGE ADDRESS	PRESENT RESIDENTIAL ADDRESS
Phone (o) : Hospital:	Phone (R):
Email: College Fax:	

6. QUALIFICATION:

(Attested Xerox copies of all the certificates to be enclosed)

Sl No.	Name of the Degree and Specialization	Year of Passing	Name of the University and Place	Apex body recognition
UG				
PG				
M.Phil				
Ph.D.				

7. Teaching Experience

Designation	Name of the Institution	Duration of teaching		Subject / 's taught
		UG From -- To	PG From -- To	
Total teaching experience				
Total teaching experience		Before PG _____	After PG _____	Total _____

Note:

1. Only full time teaching in a teaching institution affiliated to KUHS / other universities established by law in India is considered as teaching experience.
2. Attested copies of appointment order, relieving order, service certificate, promotion order & PG degree, Nursing Council registration certificate etc., to be enclosed to claim teaching experience.
3. Qualifications and eligibility for appointment and promotion shall be as per Govt. of Kerala and INC guidelines.
4. Application is to be submitted through proper channel.
5. The envelope should be super scribed as Proforma for Recognition as Post Graduate Teacher'.
8. Any other relevant information: (Attach a separate sheet)
(Regarding additional qualifications, achievements, publications, awards etc.,)

Declaration by the Teacher

I hereby declare that the above information provided by me is true and correct. I shall take the sole responsibility for any wrong information provided and liable for any action taken by the university.

Place :

Date :

Signature of the Teacher

Endorsement by the Principal

The information provided by the teacher is verified from the office records and found to be correct. He/She is eligible to be recognized as a PG teacher to guide the dissertation work of PG students as per the INC regulations.

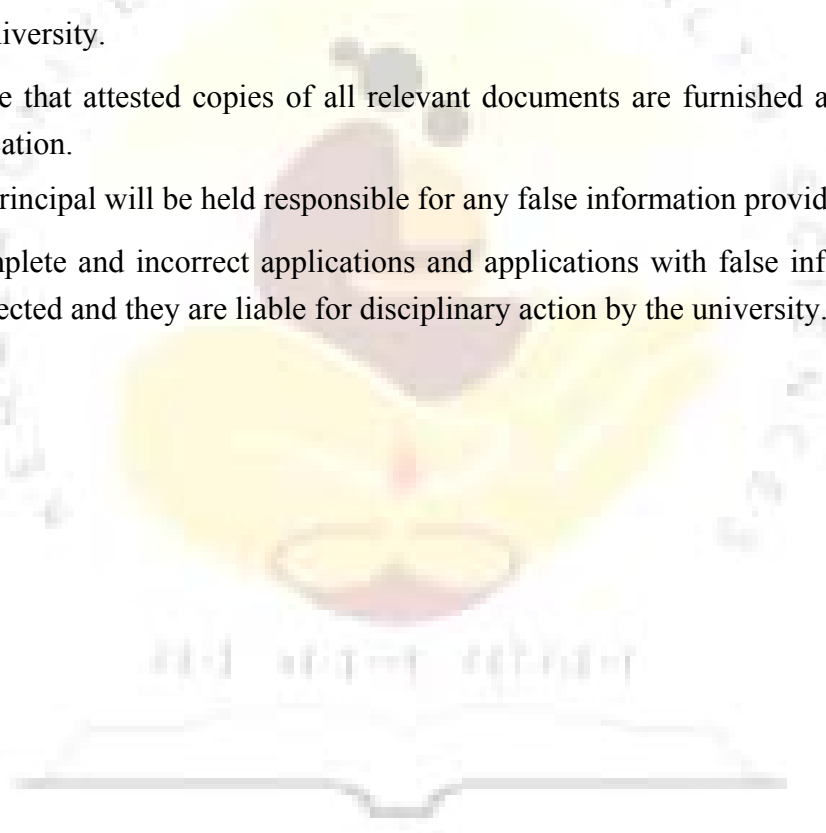
Place :

Date :

Signature of the Principal

INSTRUCTIONS:

1. The Prescribed Performa must be duly filled by the applicant in his/her own handwriting and submitted to the university through the principal's office.
2. The Principal should verify all the informations provided especially the date of birth, qualification, experience, and service details before sending the proforma to the university.
3. Ensure that attested copies of all relevant documents are furnished along with the application.
4. The Principal will be held responsible for any false information provided.
5. Incomplete and incorrect applications and applications with false information will be rejected and they are liable for disciplinary action by the university.



**KERALA UNIVERSITY OF HEALTH AND ALLIED SCIENCES
MEDICAL COLLEGE P.O., THRISSUR – 680 596
POST GRADUATE DISSERTATION – PROFORMA TO BE SUBMITTED FOR
CHANGE OF GUIDE**

**(Please Note: Change of guide is permitted only if the guide leaves
the college, transferred to another college, retires or expires.)**

Date:

A. Particulars of Candidate, and Existing Guide

Candidate's Name & Address :
Name of the Institution :
Course of Study & Subject :
Date of Admission to Course :
Title of the Topic :
Name & Designation of Existing Guide :
Signature of the Candidate :

B. PARTICULARS OF PROPOSED GUIDE

Name & Designation of proposed Guide :

Has the proposed guide been recognized as PG teacher by KUHS: Yes / No

*If yes, please furnish the particulars of university letter & If No, Please send his/her
proforma for recognition as PG teacher*

Signature of the proposed Guide:

Name & Designation of Co-Guide if present:

Signature of the Co-Guide:

C: Endorsement for change of guide

1. Remarks and Signature of the HOD :

2. Reason for change of guide: Resigned / Retired/ any other

3. Remarks and Signature of the Principal:

Format for the submission of Dissertation Hard & Soft copy

Instructions to candidates

Although your dissertation may be prepared on a computer, consider the following requirements for meeting the standards.

Paper

Use only one side of high-quality, plain white (unlined in any way) bond paper, minimum 20-lb weight, and 8 ½ x 11 inches in size. Erasable paper should not be used.

Type Size and Print

Select fonts type Times New Roman and a size of 12 characters. The size of the titles should be 14 and Bold, the size of subtitles should be 12 and bold. Print should be letter quality or laser (not dot matrix) printing with dark black characters that are consistently clear and dense. Use the same type of print and print size throughout the document.

Pagination

Number all of the pages of your document, including not only the principal text, but also all plates, tables, diagrams, maps, and so on. Roman numerals are used on the preliminary pages (pages up to the first page of text) and Arabic numerals are used on the text pages. The numbers themselves can be placed anywhere on the page, however they should be consistent.

Spacing

Use double spacing except for long quotations and footnotes which are single-spaced.

Margins

To allow for binding, the left-hand margin must be 1.5 inches. Other margins should be 1.0". Diagrams, or photographs in any form should be a standard page size, or if larger, folded so that a free left-hand margin of 1.5 inch remains and the folded sheet is not larger than the standard page.

Photographs

Professional quality black-and-white photographs are necessary for clear reproduction.

Colors are allowed, but you should be certain the colored figure will copy clearly and will not be confusing when printed in black and white.

File Fomat

Dissertation format should be in .Doc (Ms Word Document) or PDF (Portable Document Format), Image files in JPG or TIFF format and Audio Visual in AVI (Audio Video Interleave), GIF, MPEG (moving picture expert) files format.

Labeling on CD

CD-ROM Labeling should be standard and should contain title, name of the candidate, degree name, subject name, and guide name, name of the department, college, place and year.

References

Vancouver style format.

5.2 Template for Mark List showing Maximum & Minimum



KERALA UNIVERSITY OF HEALTH SCIENCES
THRISSUR – 680 596
STATEMENT OF MARKS

Name of the Candidate Reg
No.
Name of the college
Name of course : M.Sc Nursing -Obstetric &Gynecological Nursing
Examination : First Year M.Sc Nursing Regular Examination Date of publication
:.....
Month & Year of Examination:



Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Education	125	62.5		150	75		275	137.5		
2	Advanced Nursing Practice	125	62.5					125	62.5		
3	Nursing Research & Statistics	125	62.5					125	62.5		
4	Clinical Speciality - I Obstetric & Gynecological Nursing	125	62.5		200	100		325	162.5		
Grand Total								850	425		
Grand Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination



KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR – 680 596

STATEMENT OF MARKS

Name of the Candidate

Reg

No.

Name of the college

Name of course : M.Sc Nursing -Obstetric &Gynecological Nursing Examination : Second Year

M.Sc Nursing Regular Examination Date of publication :.....

Month & Year of Examination:

Sl. No	Subjects	Theory			Practical			Total			Result
		Max	Min	Awar ded	Ma x	Min	Awarde d	Max	Min	Awarde d	
1	Nursing Management	125	62.5					125	62.5		
2	Dissertation & Viva Voce				200	100		200	100		
3	*Clinical Speciality - II Obstetric &Gynecological Nursing	125	62.5		200	100		325	162.5		
Total Marks Awarded in Second Year								650	325		
Total in Words											

A- Absent, P- passed, F-failed

Checked by

Asst

SO

AC/AR/DR

Controller of Examination

