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കേരള ഗസറ്റ് KERALA GAZETTE

അസാധാരണം
EXTRAORDINARY

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത്
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KERALA UNIVERSITY OF HEALTH SCIENCES

NOTIFICATION

No. 2891/AC1/GENA2/KUHS/2017.

Dated, Thrissur, 12th May, 2017.

In exercise of the powers conferred by Chapter XXXVI of the First Statutes, 2013 of the Kerala University of Health Sciences, the Academic Council in its meeting held on 8-11-2016 vide item No. 14.4 made the Academic Regulations and Course Regulations of 124 courses conducted by Kerala University of Health Sciences. The Governing Council meeting held on 25-11-2016 has approved the same. The regulations were placed before the Senate at the meeting dated 17-1-2017.

It is hereby notified that the Academic Regulations and Course Regulations of 124 courses conducted by Kerala University of Health Sciences, as appended.

(Sd.)
Registrar.

Kerala University of Health Sciences

Thrissur 680596



**Regulations and Curricula
for the degree of
DOCTOR OF PHILOSOPHY [Ph.D]**

2016

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REGULATIONS RELATING TO THE AWARD OF THE DEGREE OF
DOCTOR OF PHILOSOPHY

1. Title.

These Regulations shall be called 'The Regulations relating to the Award of the Degree of Doctor of Philosophy'.

2. Definitions.

In these Regulations, unless the context otherwise requires-

- (i) 'Act', 'Statutes', 'Ordinances', and 'Regulations' mean respectively the Act, Statutes, Ordinances, and Regulations of the University.
- (ii) 'Centre for Research' means the Institution or Department where the University allows a Research Scholar to carry out research on the subject as approved by the University, leading to a Ph. D. Degree.
- (iii) 'School/Department/Centre' means the School/Department/Centre of Study and Research established by the Statutes.
- (iv) 'Doctoral Committee' means a Doctoral Committee constituted to monitor the progress of research of each student registered for research in the School/Department/Centre/Institution of the University.
- (v) 'Fellowship' means regular monetary assistance awarded to a Research Scholar and includes the National Merit Scholarship, University Scholarship and those offered by approved funding agencies such as NCERT, ICAR, ICSSR, DST, DBT, CSIR and UGC and other Universities.
- (vi) 'Laws of the University' means the Act, Statutes, Ordinances, Regulations and Rules of the University as the case may be.
- (vii) 'Registration' means registration in the Kerala University of Health Sciences as a Research Scholar for Ph. D. Degree under these Regulations.

- (viii) 'Research Scholar' means any Full-time or Part-time student duly registered for the Ph. D. Degree of the University under these Regulations.
- (ix) 'Supervising Guide' means a teacher or any other person approved by the Governing Council of the University as a Qualified Guide to supervise research.
- (x) 'Adjudicator/Examiner' means the expert appointed by the Governing Council.

3. Eligibility for Admission to the Ph. D. Program.

Candidates seeking registration to the Ph. D Program, whether full time or part time, shall hold a Master's Degree/Post Graduate Degree accepted as equivalent to it by Kerala University of Health Sciences in the qualifying examination in the concerned or allied/cognate subject with minimum 55% marks at par with UGC norms. If the candidate is qualified and marks are not included in the mark list, it will be presumed as 55% marks. The faculty wise list is given in the schedule 1.

3.1. Additional Requirement of Experience for Ph.D. Part-time.

(i). Permanent academic/scientific staff of colleges / Universities / other educational institutions of higher learning / Research & Development Laboratories and Organizations with at least three years of continuous approved teaching / research experience.

ii) NOC from the head of Institution where the candidate is employed stating he or she is permitted to do PHD and will be permitted to complete the course related requirements .

4. Centre for Research.

4.1. A candidate may be permitted to pursue research for the Ph. D degree in any of the following institutions:-

(i). All the Schools / Departments / Centres and other academic Institutions of the University which is recognized for conducting PhD programs.

(ii) The Candidate who register for PhD must do their research work in recognized centre of the university only, under a supervising guide recognized by KUHS.

4.2. Recognized Institutions.

(i) The University may decide to accord recognition to a research institution according to the provisions of the Act(2010), and the chapter 22 and 31 of the Statutes and Ordinances in this regard, provided the University is satisfied that the institution will be able to provide the required facilities to candidates to pursue their studies in the Institution for the degree of Doctor of Philosophy of the University and to fulfil such other conditions including fees, constitution of admission committee , ethical committee clearance etc. that the university may stipulate from time to time. Specific guidelines as approved by the University shall be followed to recognize departments for research for PhD. These departments /institutions which the candidates may choose as Centre for Research may include

(a). National Research Institutes under ICMR, CSIR, ICSSR, DRDO, DAE, ISRO, and all Government of India/Government of Kerala Research Institutes of National importance

(b) R & D laboratories approved by DSIR, Centres of research for Social Sciences, Management etc. with years of standing and good track record evidenced by two peer reviewed indexed publications from the department.

(c) All institutions affiliated to the University with proven track record evidenced by two peer reviewed indexed publications from the department in the last 2 years and recognized by the University as having necessary facilities.

4.3 Inspection of recognized institutions :- On the recommendation of the academic council, the Governing Council may from time to time , cause an inspection to be made of a recognized institution by such person or persons as it may authorize in this behalf.

4.4 Withdrawal of recognition from institutions :- If at any time the governing council is satisfied, either or receipt of a report of inspection referred to in statute 3 or otherwise that any of the terms and conditions imposed on a recognized institution at the time of granting recognition to it is not full filled or complied with or that the institution is otherwise unfit to be continued as recognized institution ,the governing council may by order, withdrawing recognition of such institution:

Provided that before making such order of withdrawal of recognition, the Governing Council Shall by notice afford the institution concerned an opportunity of making its representation, if any with 30 days from the days of receipt of the notice and shall record its opinion on any representation do made.

5. Supervising guide

5.1. Recognition of supervising Guide.

(i). No person shall ordinarily be recognized as a supervising guide unless she/he has a degree of Doctor of Philosophy/Doctor of Medicine (DM/M.Ch) having done a Thesis with post-doctoral research experience as evidenced by least 2 publications as first author in peer reviewed scientific/professional Journals. The teachers in the Institutions of the University including visiting professors or of the Institutions affiliated to the University who have five years teaching/research experience with five peer reviewed indexed publications after acquiring PG degree in health/allied sciences also can be supervising guide.

(ii). Scientists in the service of a Recognized R&D Institution with five year experience after being awarded degree of Ph.D. and at least two peer reviewed indexed publications as single or first author will be eligible to apply for recognition as a Supervising Guide of the University and the University may consider the application and take an appropriate decision on it. Provided that such recognition will cease to exist as soon as they are retired or they take up employment with an institution which is not a Recognized institution of the University.

OR

(iii). Any other outstanding person recommended by Board of Studies and the concerned Faculty and approved by Academic council , whose services will be of value to the University as a Supervising Guide may also be given recognition as a Supervisor.

(iv)Transitory provision- In the case of Homeopathy, Ayurveda and any other specialties where there are no sufficient PhD holders, it can be relaxed for first five year as “The teachers in the Institutions of the University or of the Institutions affiliated to the University having 10 years of teaching or research experience can apply for recognition as a Supervising Guide of the

University and the University may consider the application and take an appropriate decision on it. In this case the guide should publish (or get accepted for publication) least 2 articles in peer reviewed indexed journals before the candidate appear for the final evaluation of the PhD. Such supervising guides can take two PhD candidates per year and a total of five till they satisfy a criteria mentioned in 5.1(i), 5.1(ii) or 5.1(iii).

(v) In faculties other than modern medicines where there are not enough publications to journals proposed by board of studies and approved by academic councils can be considered equivalent to indexed journals. This list has to be reviewed least once in five years.

(vi) If the candidate propose to do Ph D in subjects or broad specialities related to the topic, such candidates can have an external co-guide from an institution outside the university, who is already a PhD supervising guide in a recognised university in the subject the candidate is pursuing PhD. The candidates are permitted to do PhD only in the subject of their post graduate degree/sub specialities.

5.2. Number of Research Scholars with a Supervising Guide.

(i) The maximum number of research students working with a Supervising Guide at a given point of time shall not be more than eight and exceptional cases up to 10 for which special sanction has to be obtained from the university.

(ii) Supervisor or co-supervisor should be from the same institution where the candidate is working.

5.3. Joint Supervision.

(i) In cases where for valid academic reasons it is felt that the services of an additional supervisor will be desirable, the Department/Centre may recommend a co-guide for joint supervision provided the research student makes such a request which is also supported by the principal guide. The external guide should satisfy qualification requirements of the supervisor and her/his role shall be limited to being a co-supervisor only.

(ii) In reckoning the maximum number of students who may be registered under a Supervisor, joint supervision, shall not be taken to into account of the co-guide.

- iii) The Supervising Guide should give the consent and obtain a no objection certificate from the Dean for officiating as a Supervising Guide for the candidate to be registered.
- iv) The Supervising Guide shall sign all the papers, declarations, certifications, authentications, log books and other related documents pertaining to the registration, submission of synopsis and thesis of the registered candidate.
- 5.4. Responsibilities of supervising Guide/Co-Guide.**
- The Supervisor carries the major responsibility of guiding the academic progress of the candidate throughout the period of study. He / she counsel the student in academic matters, and provide guidance on the nature of course work and research, the standards expected, the adequacy of progress, and the quality of work. The Supervisor shall maintain a record, in a prescribed format of all important matters connected with the research work and progress of the candidates and this shall be made available to the Doctoral Committee or the Vice-chancellor if requested for by them.
- 5.5. Assignment of Supervising Guide/s.**
- (i). Assignment of supervising guide will be mainly according to the candidates' preference. The candidate will select Supervising guides according to their area/s of interest commensurate with the supervisor's area of specialization.
- (ii). In order to promote interdisciplinary research, supervising guide and co-guide can be chosen from allied subjects from other Departments/Centres. Candidates should be working directly under the supervising guide or co-guide in the same recognized centre.
- (iii). In the event of a supervisor from outside the university, there shall be a co-supervisor from this University.
- (iv) Supervisors/ Co supervisors can be from the related broad specialties provided he/she fulfils the requirements mentioned in clause 5(1) and has proven track record in the form of at least 2 peer reviewed indexed publications in the sub specialty in which the candidate wish to do the research .

- (v) In case of inter-disciplinary proposals, the co-guides should be of the concerned specialty in which the research is to be done.
- (vi) The Supervising Guides should not be spouse or First Degree relative of the Ph.D. candidates.

5.6 The Departments in which specialty, the institution has obtained recognition to conduct Ph.D. Research Programme, the Ph.D. Guides are to be appointed in that specialty only and they have to enrol candidates in that specialty only.

6. Admission of students to the Ph. D. Programme.

- (i) A candidate who wishes to pursue a program of study and research leading to the Degree of Doctor of Philosophy (Ph. D.) will be required to seek registration to the program, under these regulations as a full-time or part-time research student under an appropriate faculty/ School in a Department/Centre of study or in a Recognized Institution (RI), so recognized for this purpose by the university (Sec 4.2).
- (ii) Candidates who are working in a research project which has been taken up by a University Department/Centre of the University or by a Recognized department/Institution and which are funded internally or by external funding agencies will be deemed to be full-time research students if they are admitted to the Ph. D. Program.

6.1. Procedure for applying for admission.

- (i) Candidates seeking registration to the doctoral program may do so by submitting their applications in the prescribed form in response to the notification in this respect issued by the University. Registration for PhD may be granted in January and July sessions every year for which applications may be received in response to notification, by 31st July and 31st January respectively. However, the University reserves its right not to invite applications.

(ii) Applications for the Registration shall be submitted to the University in the prescribed form and on payment of the prescribed fees. The candidate will have to appear for an entrance examination and score minimum marks prescribed.

(iii). All candidates who qualify in the entrance examination shall submit the title of the thesis they are planning to do along with the application of the research to be conducted, giving sufficient background material and the proposed line of research, and obtain the consent of a guide duly recognized by the University within the University area through the head of the institution .

6.2. Entrance Test.

(i). Candidates who are applying for admission to the Ph. D. Program in the Department/School/Recognized Institution shall be required to have passed an admission test conducted by the University. The entrance test will be of MCQ type consisting of 100 questions for one and half (1 ½) hours .Questions will be related to Research Methodology (for 60 Marks), biostatistics (for 20 Marks) and research ethics (for 20 Marks) and general research aptitude. Those whose score 50 percentage mark will qualify the exam. The result will remain valid for four subsequent admissions. The qualifying mark for the candidates belonging to the scheduled cast/scheduled tribe category will be 45 percentage .The university may conduct a training program in Methodology, biostatistics and research ethics to introduce these subjects to the candidates for which attendance is optional .

(ii) There will not be any exemption for the entrance exam except as per the clause 6.2(iii)

(iii).Candidates admitted under Memorandum of Understanding between the Kerala University of Health Sciences and a University / Institution in India or abroad where specific clause(s) exist for registration of candidates to Ph. D degree by the University and those selected under international cultural/educational exchange programs of Government of India / UN bodies are exempted from taking the entrance test.

6.3 Admission

(i). the candidate would be required to give a presentation on the proposed topic of research in the concerned School/Department/Centre before the admission committee.

(ii) For selection of Ph.D. candidates, an Admission Committee shall be constituted by the vice chancellor. The dean research will convene the meeting of the committee. The admission committee will be constituted with dean research as convener and the subject experts nominated by V.C. as members.

6.4. Preparation of the Admission List.

(i) The candidates recommended by the committee will be offered provisional registration under the regulations of KUHS.

6.5. Admission and Registration.

(i). Each selected candidate shall be issued with an admission letter by the University.

(ii). A candidate who has been selected for admission may take provisional admission with the Department/Centre by paying the required fees and fulfilling such other requirements as per the admission rules and other relevant rules and regulation of university.

(iii). A candidate who wishes to take admission shall do so within two weeks of the notification of the admission list/ receipt of admission letter.

(iv). A candidate for Ph.D.is not allowed to take up any other course simultaneously.

(v). At the end of the 1st year, there will be a qualifying examination consisting of two papers of three hours duration. The first paper will be on research methodology, statistics, ethics, and scientific writing. The second paper will be on the specific research topic including the research methodology specific to the subject. The examination will be conducted by the controller of examinations. Syllabus for the second paper prepared by Doctoral Committee and approved by the Dean Research (in consultation with the concerned faculty dean).The syllabus for the first paper will be common to all scholars and will be prepared by the University. The syllabus has to be submitted to the subsequent Academic Council. Those who secure more than 50% marks will

be called for a viva voce .The provisional registration of those who pass with 50% of marks will be confirmed. The provisional registration of those who fail in two attempt will be cancelled.

7. Doctoral Committee.

7.1. There shall be a Doctoral Committee (DC) to monitor the progress of each student registered for research in the University Department/Centre/School/Recognized Institution.

7.2. Immediately after the provisional admission of the candidates for PhD program the Vice Chancellor will constitute a Doctoral committee from a panel of names suggested by the guide and recommended by the Dean Research for each of the candidates admitted. The Doctoral Committee shall consist of the supervising guides (as Convener he/she would initiate steps for the formation of the Committee), Co-guide, if applicable, a faculty member from the Department and one faculty member from outside the Department / School (within the University or outside the University) specializing in a related field. All members of the Doctoral Committee must be qualified to be recognized supervising guides of any university.

7.3. The doctoral committee shall meet at least once a year. The first meeting of the doctoral committee should be within three months of registration of the candidate. It should finalize the course work and the syllabus of the candidate and the thesis topic. A write-up/brief summary of minimum of 10 pages but not exceeding 15 pages of the proposed research in quadruplicate. The write-up should include Aims, Objectives, Materials, Methodology and expected contribution of the research to the scientific knowledge, Academic growth and development submitted by the scholar should be discussed by the doctoral committee and necessary modifications should be suggested. The minutes of the meeting, details of proposed coursework and syllabus and synopsis of the proposal incorporating the modifications will be intimated to the Dean. The progress of research should be upraised before the committee and the report/recommendation shall be forwarded to the dean by the committee

7.4. The Supervising Guide shall be the convener of the Doctoral Committee, though in exceptional situations the Head of the Department/Centre/Recognized Institution/School shall also be competent to convene special meetings of the Doctoral Committee. If the candidate fail

to appear/ to present the progress before the committee the duration of the course will be extended.

7.5. The Doctoral Committee shall be in existence during the full period of registration of a candidate, with such changes in membership as may become necessary from time to time.

7.6. The Doctoral Committee shall be responsible (a) to ensure assistance to the Supervisor of the candidate (b) to ensure periodically that the candidate's work is progressing satisfactorily and (c) to prescribe the necessary course work that the candidate may have to do.

7.7 The Dean (Research) shall be the responsible officer for PhD programs. The Dean shall:-

- i. Monitor timely Constitution of the Doctoral Committee.
- ii. Monitor meetings of Doctoral Committee, at least, once in a year where the candidate's progress is assessed.
- iii. . Maintain the records of the reports/minutes of the Doctoral Committee.
- iv. Maintain details of course work prescribed by the doctoral committee for each student and the pre-PhD course completion reports.
- v. Dean Research will be responsible for vetting the syllabus/course work submitted by the Doctoral Committee in consultation with the concerned faculty dean for the final approval of the Vice Chancellor.
- vi. The conduct of qualifying examination at the end of first year with the support of Controller of Examination

8. Course Work for Ph. D. Programme.

(i). Each student granted provisional registration for Ph. D shall do course work prescribed by the doctoral committee, during the first year. The courses may include:-

- (a) Research Methodology & Academic writing ,Bio-Statistics and Research Ethics-Paper I

- (b) Core Paper on the specific subject including related research methodology–Paper II
- (c) Protocol/methodology approval-viva

Qualifying Examination:

The candidates will appear for written and viva examination on the above papers at the end of first year. At the end of the first year the research protocol cleared by the Doctoral Committee shall be presented to a five member committee at the University. This committee constituted by the Vice Chancellor shall have the following members.

- 1.The Vice Chancellor or his representative
2. The Supervising Guide
3. An expert in Methodology/Biostatisticians
4. Dean Research
5. External expert from outside the University

9. Duration of the Program.

- (i) The minimum duration including the time spent for course work shall generally be 3 (three) years and the maximum period is 5 (five) years for full time registration. Doctoral committee shall be competent to reduce the minimum period of duration by six months on application made by the candidate duly recommended by the doctoral committee. For part time registration the minimum period of research shall be 4 years and the maximum period shall be 6 years.
- (ii) The name of a candidate shall be removed from the rolls of the University, if she/he fails to submit her/his thesis for the award of the PhD degree within the maximum period prescribed under 9 (i).
- (iii) The University on the recommendation of the concerned supervising guide and the School/Department/Centre, may, however, subsequently accept the request of a candidate whose name has been removed from the rolls of the University under sub clause (ii) above, to

get re-enrolled and become eligible for submission of the thesis, provided that she/he submits her/his thesis not later than the expiry of one year from the date of re-enrolment.

NOTE : The period of re-enrolment as provided above shall be in continuation of the original registration of five years or 6 years as the case may be without any break or interval.

(iv). Before completing the minimum period prescribed in Clause 9 (i), no candidate admitted to a program of research for the PhD degree shall undertake any employment or join any course of study. Teaching and research faculty members may be exempted of this clause/ criteria if the university so decides after due consideration of the merit of the case.

(v) The University may cancel the admission of a candidate for a breach of the provisions of clause 9(iv) and or on account of his unsatisfactory progress, on the basis of the monitoring reports and the proposal from the doctoral committee recommended by the Centre/Department concerned.

10. Submission of Synopsis.

(i). Not less than three months before the submission of the thesis, every candidate shall submit to the University, through the guide and Head of the Department, **ten** copies of the synopsis of the thesis, and prescribed application and examination fee. The candidate shall prepare the synopsis carefully in consultation with the guide. The synopsis should bring out in abridged form, the background and the objective of study, the methodology of the work done, results and conclusions.

(ii). Pre submission seminar: the candidate shall present the work at a pre-submission seminar before the pre submission evaluation committee constituted by the Vice Chancellor before submission of the synopsis. The suggestions that come up during the seminar shall be suitably addressed while preparing the thesis.

The pre submission seminar shall be arranged by the University in the Department/Centre/Research Institute in which faculty members and researchers participate.

(iii). The Synopsis of the thesis shall not be less than 1000 words or more than 2000 words. It must be typed on A4 size paper with one and half space. The University shall prescribe a format for the synopsis from time to time. The candidate shall also submit the electronic version (read only format) of the synopsis.

(iv) After the submission of the synopsis and on the nomination of the adjudicators by the Vice-chancellor from the panel submitted by the supervising teacher and recommended and forwarded by the dean. The controller of examinations shall conduct the examinations.

(v) The Vice- Chancellor shall appoint three examiners (two from outside the university and one preferably from abroad) after the submission of the Synopsis for perusal and confirmation of their acceptance to evaluate the Thesis so as to avoid delay in the same. The Controller of Examinations shall correspond with these examiners to get their eligibility and willingness to evaluate the Thesis.

(vi).After the submission of the synopsis, Vice Chancellor appoints adjudicators from a panel of experts submitted by the supervising guides and recommended and forwarded by the Dean. The controller of examinations shall conduct the examinations.

11. Submission of Thesis.

The Ph.D. program culminates with the submission of a thesis of a substantial work of original research carried out by the candidate under the guidance of the supervisor.

(i). To be eligible to submit the thesis, the candidate should satisfy the requirements prescribed by the University and shall include

(a) Presentation of the work in National/International conferences/Seminars as approved by the Department/Centre.

(b) shall have at least two papers published/accepted for publication in peer reviewed indexed journals approved by the Board of studies and re print should be appended in the thesis.

(c) Shall have presented the research work in a pre-submission seminar.

(c) Once the thesis gets approved, the candidate shall incorporate all the corrections / suggestions, if any, and resubmit **two** copies of the final version of the thesis in hard bound form and **two** copies in the electronic form (read-only format) through supervisor and Head of the University Department / Head of the institution/Dean. The supervisor shall certify that the corrections / suggestions (if any) were incorporated.

(ii). Style Manual: The thesis shall not be less than 40000 words and shall not exceed 80000 words, excluding Annexure and list of references. It shall be prepared in clear print in A4 size paper on both sides in 12 pt, Times New Roman Font with 1.5 line space. Figures and charts shall be embedded in the text itself. Pages shall be numbered continuously in Arabic numerals. Appendix shall be provided at the end.

(iii). The candidate shall submit **four** copies of the thesis in a soft bound form to the Controller of examination for evaluation by the experts. Once the thesis gets approved, the candidate shall incorporate all the corrections / suggestions, if any, and resubmit **two** copies of the final version of the thesis in hard bound form and **two** copies in the electronic form (read-only format) through supervisor and Head of the University Department / Head of the institution/Dean. The supervisor shall certify that the corrections / suggestions (if any) were incorporated.

(v) The thesis shall be submitted to the University for evaluation not later than **three** months after the submission of the synopsis, through the supervisor, and through the Head of the University Department / Head of the Institution,

(v). If the Candidate fails to submit the thesis within three months from the date of submission of synopsis, maximum extensions of three months may be given with approval from the Vice Chancellor after which the process gets cancelled. Then, he / she shall submit the synopsis again based on the recommendations of the Doctoral Committee. The Guide / Supervisor, with the approval of the Doctoral Committee shall submit a fresh panel of adjudicators.

(vi). Once the thesis is accepted and the degree awarded, one copy of the thesis shall be placed in the University Library and one copy will be sent to National Library. One copy of the thesis will be placed in the internet server after the award of the PhD degree.

(vi) Every candidate shall submit with his/her thesis (1) a certificate from the Supervisor under whom he / she worked, that the thesis submitted is a record of original research work done by the candidate during the period of study under his / her supervision.(2) a declaration to the effect that the thesis has not previously formed the basis for the award to the candidate for any Degree, Diploma, Associateship, Fellowship or other similar titles and that the thesis represents independent work on the part of the candidate. Suitable acknowledgements shall also be included. (3) The candidate should check the final version of the thesis for plagiarism electronically and submit a report along with the Thesis.

12. Adjudication of Thesis.

(i). The thesis submitted by the candidate for the award of the Ph. D degree shall be examined by three external adjudicators of high eminence, not in the service of the University, to be appointed by the Governing Council on the recommendation of the Doctoral Committee (preferably one from outside India) .

(ii). A panel of not less 10 adjudicator from outside the University area, shall be recommended by the Doctoral Committee for evaluating the thesis and for conducting the public viva-voce examination to be held later.

(iii). The thesis shall be referred to a Board of Adjudicator as per the Statutes and Ordinances of the University. Once all the reports reach the Controller of Exam, he/she shall forward them in sealed cover to the Dean. The Dean shall make specific recommendations along with a consolidated report and recommend for the viva-voce if the adjudicator have unanimously recommended. After the viva-voce the recommendations shall be sent to Controller of Examinations for declaration of result with approval of Vice-Chancellor.

(iv). The Adjudicator who value the thesis apart from providing a detailed technical report shall report on the merit of the candidate for the PhD degree as follows:

>The thesis to be accepted for the award of Ph. D. degree in the present form.

>The thesis to be accepted for the award of Ph. D. degree after minor corrections / revisions

>The thesis can be passed after obtaining clarifications at the time of viva-voce.

> The thesis be revised and resubmitted for evaluation.

> The thesis be rejected.

(v).If the thesis is approved; each examiner may seek clarification/questions, if any, to be answered at the time of viva-voce.

(vi).When adjudicator differ in their opinion while evaluating the thesis: In case, all the three adjudicator or two out of three adjudicator have not recommended, the thesis shall be rejected. In case, one of the three adjudicator has not recommended, then the thesis shall be again referred to a fourth examiner. If the fourth examiner recommends the thesis, the candidate shall be allowed for the viva-voce examination. If the fourth examiner does not recommend the thesis, it shall be rejected.

(vii). If the examiner / adjudicator insist on any correction / revision to be made in the thesis, the same shall be made by the candidate before the public viva-voce examination and certified by the Supervisor.

(viii). If the Examiner / Adjudicator explicitly suggests requirement of the revision and resubmission for further examination, then the revised thesis duly certified by the supervising teacher shall be sent to the same examiner for further evaluation. In the absence of such a statement or if the examiner concerned specifically instructs that the revised thesis need not be sent back to him / her, the revised thesis duly certified by the Guide, Doctoral Committee and the Dean shall be accepted and the candidate shall be allowed for viva-voce.

(ix). The candidate should revise and re-submit the thesis within the shortest possible period in any case not later than six months from the date of the communication of the notice from the University.

(x) In case the candidate fails to submit the revised form of the thesis within six months, the process of thesis evaluation gets cancelled. Then, the candidate shall submit the synopsis again to start the process of thesis evaluation.

(XI) The external adjudicator will be given eight weeks to replay with the evaluation report.

13. Open Defence (Viva-Voce).

(i). In cases where the thesis has been approved, and on receipt of communication from the University, the guide / supervisor shall coordinate the conduct of public viva-voce for the candidate.

(ii). One external examiner of the thesis who shall be nominated as Chairman by the Vice Chancellor, and the Doctoral Committee shall conduct the public viva-voce Examination in the presence of faculty members, researchers, scientific staff and other interested members. In case where the examiner who evaluated the thesis is not available, the University may appoint an alternative eminent person, preferably from the panel previously submitted, for conducting the viva.

(iii). The Supervising guide shall fix the date and time of the viva-voce in consultation with the external examiner appointed by the University for conducting the viva-voce examination. The Guide / Supervisor shall give wide publicity and at least 10 working day's notice for scheduling of the open defence. The maximum time limit for conducting viva-voce shall be three months from the date of consolidation of reports. If the candidate fails to take viva-voce within three months on valid grounds, the Vice-chancellor may permit extension by three months on specific request. If the candidate fails to take the viva-voce even after the extension, the PhD registration gets cancelled.

(iv). In the viva-voce, the Supervisor will introduce the External examiner who will then conduct the examination. The candidate shall make a 30-minute presentation of the thesis. After the presentation, the external examiner shall begin the questioning in viva voce followed by the faculty present and the other participants.

(v). After conducting the viva-voce examination, the Guide / Convener shall convey to the Controller of Examinations of the University, through the HOD/Dean, the result of such examination endorsed by the external examiner. Report/proceedings of the open defence signed by the external examiner and a list of people who attended the open defence shall be forwarded. A candidate who is successful in the public viva-voce examination shall be declared to have qualified for the PhD Degree.

(vi). A candidate, who is not successful in the public viva-voce examination, may be permitted to undergo the viva-voce examination a second time, within a period of three months. In the event of him/her failing again, his/her candidature for the degree will be rejected.

(vii). If the candidate passes the viva-voce examination, the viva-voce examiner and the Guide / Supervisor shall consolidate the recommendation and forward to the controller of examinations for the award of the degree based on

(a). The reports of the adjudicator who adjudicated the thesis and,

(b). The evaluation of the candidate's performance in the viva –voce examination.

The Controller of Examinations shall submit the reports to the Dean who shall forward the consolidated recommendations to the University, along with such other documents as may be required, by the University for its Consideration.

The program will be known as Ph.D. in (name of the department)(area of specialization)under (faculty).e.g.: if Ph.D. is given in the field of medicine with specialization in genetics, it will be called Ph.D. in Medicine (Genetics),under faculty of medicine, Kerala University of Health Sciences. Ph D degree awarded to non-medical candidates will be given by the faculty of Allied Health Sciences.

14. Publication of Thesis.

The research embodied in the thesis may be published in part or full in research journals or in the form of monograph or book with proper acknowledgement to the University. The abstract

of the thesis to be made available to the University for Publication in website/University publication.

15. Power to remove any difficulty.

(i). If any differences of opinion develop between the student and the supervisor / guide at any time during the course of the PhD program, then the Vice-chancellor's decision shall be final and binding.

(ii) Notwithstanding any of the provisions stated above, the Vice-Chancellor shall have powers to remove any difficulty while implementing this program.

16. Discrepancies

An Inquiry Committee has to be constituted by the Vice Chancellor to inquire if a supervising guide / co-guide are suspected to involve in plagiarism, moral turpitude with fraudulent academic accomplishments and other punishable offences, other activities prejudicial to the reputation of the University, etc.

Schedule-1

Faculty	Minimum qualification for eligibility
Faculty of Medicine	Super Specialties'- D.M. - Doctor of Medicine, OR M.Ch. - Master of Chirurgery in different Branches / Specialties having done a thesis during the course. OR Masters degree in-Medicine/Surgery

	<p>M.D.- Doctor of Medicine, and M.S. Master of Surgery in different Branches/ Specialties</p> <p>OR</p> <p>Diplomate of the National Board-</p> <p>Diplomate in N.B. in different branches/specialties of the National Board.</p>
Faculty of Dental sciences.	M.D.S. – Masters Degree in Dentistry in different Branches / Specialties.
Faculty of Pharmaceutical sciences.	<p>M.Pharm. – Masters Degree in Pharmacy in different Branches / Specialties. OR</p> <p>Pharm D/Pharm.D (Post Baccalaureate)</p>
Faculty of Ayurveda and siddha	<p>M.D. – Siddha in different Branches / Specialties.</p> <p>M.D. – Ayurveda.</p>
Faculty of Homeopathy.	M.D. – Homeopathy.
Nursing.	M.Sc. - Nursing in different Branches/ Specialties.
Faculty of paramedical and allied health sciences	<p>Physiotherapy</p> <p>M.P.T. – Masters Degree in Physiotherapy in different Branches / Specialties’.</p> <p>Occupational Therapy.</p> <p>M.O.T. – Master of Occupational Therapy in different Branches / Specialties’.</p> <p>Radiation Physics</p> <p>PG Diploma in Radiation Physics from BARC / Medical Physics</p>

	<p>Public Health.</p> <p>M.P.H. – Master of Public Health.</p> <p>Medical Sociology-</p> <p>M.Sc.- Medical Sociology</p> <p>Epidemiology</p> <p>M.Sc., Epidemiology</p> <p>Biostatistics</p> <p>M.Sc. ,Biostatistics</p> <p>Medical Anatomy</p> <p>M.Sc.- Medical Anatomy</p> <p>Medical Physiology</p> <p>M.Sc.- Medical Physiology</p> <p>Medical Biochemistry</p> <p>M.Sc.- Medical Biochemistry</p> <p>Medical Microbiology</p> <p>M.Sc.- Medical Microbiology</p> <p>Pharmacology</p> <p>M.Sc.- Pharmacology</p> <p>Medical Laboratory Technology</p> <p>M.Sc MLT</p>
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	<p>Candidates who seek to do Ph.D. in interdisciplinary subjects or subjects like medical education should have post graduate degree (PG degree recognized by KUHS as equivalent). For pursuing interdisciplinary subjects other than health sciences, the candidate should have a post graduate degree recognized by a University, association of Indian universities, MCI, DCI, CCIM, CCH, AICTE and approved by the academic council of the university.</p>
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