

# Presidency University

## Ph. D Regulation-2019

### *Regulations for Award of the Degree of Doctor of Philosophy (Ph.D.) in Natural and Mathematical Sciences and Doctor of Philosophy (Ph.D.) in Humanities and Social Sciences*

These Regulations in conformity with University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016 aim to establish a high quality Doctoral programme towards the achievement of Academic Excellence. These regulations shall be applicable to all Ph.D. programmes offered by the university, and to the Ph.D. programmes offered by Constituent Research programme Institute (CRPI) with effect from July 1, 2019. Award of degrees to candidates registered for the Ph.D. programme on or after January 1, 2017, but before July 1, 2019, shall be governed by the Ph.D. Regulations 2017 of Presidency University that were adopted in consonance with provisions of the University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016.

#### 1. GENERAL

These regulations shall be called the **Regulations for the Doctorate of Philosophy (or Ph.D. Regulations)-2019** and shall govern the Ph.D. programme of the University with minimum standard and procedure in compliance with the University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016.

#### 2. ELIGIBILITY CRITERIA FOR ADMISSION TO PhD PROGRAMME

2.1 Candidates for admission to the Ph.D. programme shall have a Master's degree with at least 55% of marks in aggregate or its equivalent grade.

2.2 A relaxation of 5% of marks or an equivalent relaxation of grade may be allowed for those belonging to SC/ST/OBC-A/OBC-B/Person with Disability category as per UGC guide lines.

#### 3. PROCEDURE FOR ADMISSION

3.1 Only UGC-CSIR NET/UGC NET and NET-LS qualified candidates shall be eligible to apply for enrollment to Ph.D. programme.

3.2 Selection on the basis of such applications may be conducted by a selection committee henceforth it shall be called 'Departmental Ph.D. Selection Committee'. The composition of the selection committee shall be as follows:

- 1) Dean of Respective Faculty (Chairperson)
- 2) Departmental Ph.D. Committee

3.3 For selection of research scholars for Ph.D programme, applications from the eligible candidates as stated in clause-3.1 may be collected through open advertisement by the University (normally twice a year).

3.4 Candidates who are already in service may be allowed to join Ph. D program under the recommendation of the Departmental Ph.D Selection Committee and subsequently approved by the University authority. The selection process as defined in this regulation shall be followed for such candidates. However, No Objection Certificate from the employer is mandatory for such candidates at the time of the interview.

3.5 Ph.D. Programme shall be for a minimum duration of three years, including course work and a maximum duration of six years.

3.6 Extension of Registration beyond the maximum duration shall be considered by the Doctorate Committee on case-to-case basis. Maximum duration may be extended up to two years but one year at a time. The candidate through research supervisor shall apply to the Secretary of concerned Faculty Council for extension of maximum duration before expiry of the validity of registration.

3.7 The women candidates and Persons with Disability (PwD) (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

## 4. ALLOCATION OF RESEARCH SUPERVISORS

4.1 Only full time regular teacher of the University can act as Supervisor/Co-Supervisor. The external supervisors shall not be allowed except supervisors from Constituent Research Programme Institute (CRPI). If a Department under the recommendation of Departmental Ph.D Committee consents to appoint Co-Supervisor from outside the Department/University because of the fact that topics are of inter-disciplinary nature and the Department concerned feels that the expertise has to be supplemented from outside, the Department may be allowed to do so with the prior approval of the competent authority. The Co-Supervisors from outside the Department/University should be recommended and enlisted by the concerned Departmental Ph.D Committee and subsequently by the Doctorate Committee before Registration. However such Co-Supervisors should have to be in service in any Institution of Higher learning and fulfill the academic requirements as outlined in the clause 4.2 stated below. They should be asked to submit their detailed bio-data to the Departmental PhD committee for enlistment under PU.

4.2 Any regular Professor of the University with at least five research publications in refereed/ peer-reviewed journals and any regular Associate/Assistant Professor of the University with the completion of three years after Ph.D degree and at least two research publications in refereed journals may be recognized as Research Supervisor.

4.3 A Research Supervisor/Co-Supervisor who is a Professor, at any given point of time, cannot guide more than Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of four (4) Ph.D. scholars.

4.4 The allocation of Provisional Research Supervisor/Mentor for a selected research scholar shall be decided by the Departmental Ph.D. Selection Committee depending on the number of scholars per Research Supervisor, the available specialization among the supervisors and research interests of the scholars as indicated by them at the time of interview/viva-voce for selection. Maximum of TWO Co-supervisors may be allotted for a candidate.

4.5 Any faculty member of the University whose service is due more than 3 years at the time of enrolment shall be allowed to take fresh Ph.D students.

Any faculty member of the University whose service is due less than 3 years ordinarily shall not be allowed to take fresh Ph.D students without Co-Supervisor. However Departmental Ph.D Committee may allocate such faculty as supervisor without Co-Supervisor with the provision that the candidate shall be allocated, if required, a new supervisor or Co-Supervisor to complete his/her Ph. D programme at the later stage.

## 5. COURSEWORK

5.1 The credit assigned to the Ph.D coursework shall be of 16 credits. These courses must be successfully completed within TWO years from the date of enrollment. The course of studies and Grades in the coursework, including research methodology courses, shall be defined by the Doctorate Committee time to time in concurrence with the UGC Regulations 2016. Examination on the coursework shall be conducted by the office of the Controller of Examinations of this University.

5.2 The coursework shall be treated as prerequisite for the registration into the Ph.D programme. A minimum of 4 credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research work in the relevant field, training, field work etc.

5.3 A Ph.D scholar has to obtain a minimum CGPA of 6.00 in the coursework in order to be eligible to continue in the PhD programme and submit the thesis. However, he/she should obtain minimum of B grade in each course to clear the coursework.

### Letter Grades on 10 point scale

Letter Grade	Grade	Equivalent Marks	Percentage of
O (outstanding)	10	90 to <=100	
A+ (Excellent)	9	80 to <=90	
A (Very Good)	8	70 to <80	
B+(Good)	7	60 to <70	
B(Above Average)	6	55 to <60	
F(Fail)	0	<55	
Ab(Absent)	0		

5.4 An enrolled candidate shall submit duly filled in examination form and a fee, determined by the University, for appearing at the semester end examination(s) of PhD Coursework.

5.5 Coursework may be exempted for the PhD scholars as defined in the University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016

5.6 The candidates shall be provided with Semester grade card and Coursework Completion Certificate from the Office of the Controller of Examinations, Presidency University, after completion of the coursework. The candidates who shall be exempted from the coursework shall be provided with The Coursework Exemption Certificate from the Office of the Controller of Examinations, Presidency University, upon the recommendation from competent authority.

## 6. RESEARCH ADVISORY COMMITTEE (PhD Students)

6.1 There shall be a Research Advisory Committee (RAC), or its equivalent body for similar purpose as defined in the Statutes of the University and University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016 for each Ph.D. scholar. The RAC shall be formed at the time of pre-Registration seminar (1000 words) or immediately after the Registration.

The RAC shall have the following responsibilities:

- (1) To review the research work and finalise the scope of the research.
- (2) To guide the research scholar to develop the study design and methodology of research, and
- (3) To periodically review and assist in the progress of the research work of the research scholar in every six month duration.

6.2 A research scholar shall appear before the Research Advisory Committee (RAC) once in six months to make a presentation of the progress of his/her work for evaluation and further guidance.

## 7. REGISTRATION

7.1 The student should formally apply for registration in prescribed form issued by the university latest by six months from the date of issue of coursework completion certificate or coursework exemption certificate.

If the Doctorate Committee accepts application of the candidate for registration then she/he shall have to register her/his name within one month from the date on which the decision of the Committee is communicated to her/him, by paying a registration fee plus such other fees duly determined by the University.

7.2 Registration for Ph.D. degree shall be granted to a candidate provided that the Doctorate Committee is satisfied with the following:

- a) The candidate satisfies the requirements for registration as laid down under clause-2 of this regulation.
- b) It shall be possible for the candidate to maintain regular contact with her/his Supervisor throughout the entire period of her/his work, and
- c) The part of the work, if any, can be carried out at this University or in other recognised University or institution or research organization or Industry (national or international) where adequate facilities for carrying out such work exist.
- d) There is vacancy against the supervisor and Co-Supervisor (if exists)

7.3 Every application for registration shall state the subject or the interdisciplinary field in which the candidate wishes to obtain the degree, the chosen area of specialization, the proposed title of the research work, the name of the provisional Supervisor/ Mentor, or the names of the provisional Co-Supervisors/ Mentors. The application shall be accompanied by at-least four copies (duly approved one copy shall be sent to the Secretary, Faculty Council along with recommendation of the committee; one copy shall be retained by the HoD; one copy for the supervisor; one copy for candidate) of synopsis/outline (of not more than 1000 words) of the proposed research work. The Head of the Department (HoD) may ask for more copies of the synopsis/outline (of not more than 1000 words) for circulation to the members of the committee. The synopsis/outline shall include the title of the research work, a short introduction, a brief review of the literature, a note on methodology pertaining to the work and the plan of work and shall be duly countersigned by the Supervisor or the Co-Supervisor(s).

7.4 The proposed title of the work can be modified at a later stage, if necessary. For this purpose the candidate shall submit an application to the Secretary of the concerned Faculty Council duly forwarded by the Supervisor and the Convener of the concerned Departmental Ph.D. Committee. However, such modification shall not be permitted after the pre-submission Seminar. The Dean of the concerned faculty may approve the applications, duly recommended by the Departmental Ph.D Committee, for registration in PhD programme. The list of such registered students shall be placed before the relevant Doctorate Committee for ratification.

7.5 An application for registration shall be considered by the relevant Departmental Ph.D Committee at a meeting (This date shall be the date of Registration if approved) in the presence of the provisional Supervisor (or at least one of the provisional Co-Supervisors). The candidate shall be asked to make a presentation on the proposed title of research and the recommendation of the Departmental Ph.D Committee shall be forwarded to the Doctorate Committee by the Convener of the Departmental Ph.D Committee for necessary approval. In its recommendation, Departmental Ph.D Committee shall include (i) title of the work (ii) name(s) of the supervisor(s) and (iii) nature of research work (lab based or non-lab based). The candidate shall be allowed to register for the Ph.D. Programme under the recommended supervisor(s) with the approved title of work, if the Doctorate Committee **allows** the same.

7.6 If the Departmental Ph.D Committee does not find it possible to make a positive recommendation to the Doctorate Committee in this regard, the candidate may resubmit the application, ordinarily within three months, after revision of the synopsis in the light of the suggestions made by the Departmental Ph.D Committee.

7.7 If the Departmental Ph.D Committee does not recommend the application even after the revision, the matter may be placed before the concerned Doctorate Committee. The decision of the Doctorate Committee, taken in a meeting, shall be final in the matter.

7.8 Ordinarily a candidate shall be registered for the Ph.D. degree in the subject in which the candidate has a Master Degree. In case a candidate applies for registration in a different subject, the matter shall be decided by the Departmental Ph.D Committee in the subject in which the candidate desires to be registered.

7.9 Registration shall remain valid ordinarily for five years from the date of registration or till attaining six years from the date of enrollment, whichever is earlier. The respective Doctorate Committee may, however, extend the period of registration on the merit of individual cases, provided that such extension shall not exceed two years.

7.10 A registered candidate shall abide by such rules and regulations of the university and also the guidelines as may be prescribed by the Doctorate Committee from time to time. A registered candidate shall submit a progress report in duplicate to the office of the secretary of the concerned faculty council through the Supervisor (s) once in every completed year of research.

7.11 The candidate may apply to the Registrar for cancellation of registration stating reasons, and such application, duly forwarded by the Supervisor(s) and the Dean of concerned faculty, must be placed and recorded at the meeting of the respective Doctorate Committee. If approved, the candidate's registration shall be cancelled.

7.12 A candidate's registration may also be cancelled by the University if the candidate does not fulfill above criteria or violates any rules and regulations of the University. In such cases, the Supervisor(s) may recommend to the Registrar through the Departmental Ph.D Committee for cancellation of his/her registration. The matter shall be placed at the meeting of the respective Doctorate Committee and the candidate shall be notified in writing to be present before the respective Doctorate Committee.

The final decision shall be taken by the Doctorate Committee after obtaining the candidate's reply within a stipulated period of time.

## 8. SUBMISSION AND EVALUATION

8.1 A registered candidate shall have to work for a minimum period of three years, including coursework from the date of enrollment and for two years from the date of registration.

8.2 A student must have at least one research publication in a refereed journal and two paper presentations made at conferences/seminars, out of his/her doctoral research work, prior to pre-submission seminar. The student shall produce evidence for the same in the form of acceptance letter

or offprint or presentation certificate to the Departmental Ph.D. Committee and at the time of thesis submission.

8.3 Prior to submission of thesis, the candidate shall apply for pre-submission seminar to the Convener of the Departmental Ph.D Committee through the Supervisor with four copies of the synopsis of work preferably within **5000 words**. The same shall be circulated by the Convener to the members of the Departmental Ph.D Committee at least fifteen days before holding a pre-submission seminar. In the pre-submission seminar, the candidate shall report the research work before the Departmental Ph.D Committee which shall also be open to all faculty members and other research scholars. Notice of the seminar shall be circulated and the same may be put up on the Departmental Notice Board.

8.4 During the pre-submission seminar any member of the Departmental Ph.D Committee may put forward specific suggestions, if any, to the candidate and, if necessary, in writing. The candidate shall be required to work upon the suggestions given by the Committee in consultation with the Supervisor(s). If required, the Departmental Ph.D Committee may ask the candidate to re-appear at the seminar. Immediately after the seminar (within 7 days), the convener of the Departmental Ph.D Committee shall forward to the Secretary of the concerned Faculty Council a report in the prescribed form, on the performance of the candidate for information and necessary action (if any). The candidate is allowed to submit his/her thesis after the pre-submission seminar (final). The convener of the Departmental PhD Committee shall communicate the decision of the committee to the candidate and his/her supervisor in writing.

8.5 Preferably, prior to submission of the thesis, the Supervisor and the members of the Departmental Ph.D Committee shall meet to prepare a panel of six experts for the written part of the thesis (at least three from outside the state) and a panel of three experts (preferably from within city or state) for the viva-voce. The convener of the Departmental Ph.D Committee shall send the panel to the Secretary of the concerned faculty in a sealed envelope. The Secretary, Faculty Council shall forthwith send to the Registrar for recommendation of the external experts by the Hon'ble Vice-Chancellor. The Registrar shall send the recommendation to the Secretary of the faculty council to execute further course of actions for adjudication of the thesis and for the viva-voce.

8.6 A registered candidate shall have to submit the following hard-copies and soft-copies at the time of submission of the thesis

- a) Five hard copies (additional hard copy for each Co-Supervisor, if any) duly recommended by the supervisor(s) embodying the results of the research she/he has carried out and one electronic copy of the thesis (In pdf and doc/docx file format). It is essential to write the thesis using Unicode font only. Each hard-copy shall contain the photocopy of the duly signed Anti-Plagiarism certificate.
- b) Duly recommended two hard copies of the synopsis of the thesis (preferably within 5000 words) and one electronic copy of the same (preferably in pdf file format and file size less than 25MB)
- c) One electronic copy of the abstract of the thesis, not exceeding 350 words.

The thesis shall be submitted to the office of the Secretary of the concerned faculty council, together with a receipt of the non-refundable fees (to be decided by the university from time to time) paid to this

University for this purpose. Any supervisor shall be allowed to take new candidate against a registered candidate when the candidate shall submit his/her thesis.

d) ANTI-PLAGIARISM CERTIFICATE/ Certificate of Similarity, generated with UGC recommended Plagiarism checker software/tool, duly signed by the Supervisor(s) and candidate.

8.7 The candidate shall also deposit a fee, as decided by the University from time to time, along with a prescribed form duly filled in by the candidate, a certificate from the Supervisor, as well as attested copies of necessary documents at the time of submission of the thesis.

8.8 The candidate may also submit in support of the thesis the contents of any work which may have been done previously by him/her, but the candidate shall not submit any work for which a degree or distinction has been conferred on the candidate by this or by any other University. The candidate shall not, however, be precluded from incorporating any such work in a thesis covering a wider field, provided a clear statement of the work so incorporated is given.

8.9 The Secretary, Faculty Council shall take necessary actions to appoint a panel of two external examiners, the Supervisor and Co-Supervisor(s), if any, out of which at least one shall be from outside the State, after considering the recommendation of the Hon'ble Vice-Chancellor for adjudication of the thesis (the adjudicators/examiners shall send the report in the prescribed format) under the signature of the Registrar.

In case of independent submission of the thesis by the candidate with the permission of the Vice-Chancellor, the Secretary, Faculty Council shall take necessary action to appoint a panel of two examiners out of which at least one shall be from outside the State, after considering the recommendation of the Hon'ble Vice-Chancellor for adjudication of the thesis (the adjudicators/examiners shall send the report in the prescribed format) under the signature of the Registrar.

8.10 External examiners shall be requested to state their opinion within three months from the date of receipt of the thesis in the prescribed form that has the following options:

(a) The candidate may be awarded the PhD degree

(b) The candidate may be awarded the PhD degree provided that the following modifications are addressed in a separate addendum. The Examiners present at the viva voce must certify that the modifications are satisfactorily addressed, failing which the thesis must be resubmitted after addressing the suggested modifications.

(c) The candidate may be awarded the PhD degree only after addressing the following questions and resubmitting the thesis.

(d) The candidate may not be recommended for awarding the PhD degree.

8.11 When a thesis is unanimously and unconditionally recommended for the Degree by all the examiners, the candidate shall be eligible for appearing at the viva-voce. The Secretary of the concerned Faculty Council shall arrange viva-voce normally with a notice period of at-least 12 days.

8.12 If there is any ambiguity or conditionality in the reports of the examiners, the Secretary, Faculty Council shall consult the Dean of the concerned Faculty Council for opinion. The Dean on the advice of the Hon'ble Vice-Chancellor may consider the appointment of a third external examiner. However,



the Dean may constitute a committee in consultation with Hon'ble Vice-Chancellor to decide upon next course of actions within the purview of this regulation or else. The Departmental Ph.D. Committee may also be approached for a fresh panel of examiners.

8.13 In case of non-recommendation by one of the external examiners, the Vice-Chancellor may consider the appointment of a third external examiner from the existing panel of examiners or new panel.

8.14 In case of non-recommendation by both the of the external examiners, the candidate shall not be eligible for viva-voce and the Ph. D. degree shall not be awarded to the candidate for that research work reflected in thesis.

## 9. CONSTITUTION OF THE Ph.D. COMMITTEES

9.1 The Ph.D. Programme shall be monitored by the relevant Doctorate Committee with the help of the Departmental Ph.D committee and the Research Advisory Committee (RAC).

9.2 The **Doctorate Committee** shall be constituted as follows:

- a) Respective Dean of the Faculty – Chairperson
- b) One Professor of the relevant faculty, nominated by the Vice-Chancellor/Vice-Chairperson
- c) All other Professors of the relevant faculty
- d) All Heads of the Departments of the concerned faculty
- e) Four subject experts from outside the University, nominated by Governing Board of the university for a maximum period of four years.
- f) Two subject experts of whom at least one must be from outside the University, nominated by the Vice-Chancellor for a maximum period of four years.
- g) Controller of Examinations
- h) Registrar
- i) Secretary, Faculty Council--Member Secretary

One fourth of the total regular members of Doctorate Committee shall constitute the quorum for the meeting. The presence of at least two of the external experts is mandatory.

9.3 The Doctorate Committee of the concerned faculty shall constitute the Departmental Ph.D. Committee in consultation with the relevant Department. On the other hand, the Departmental Ph.D. Committee shall constitute Research Advisory Committee (RAC) in consultation with the relevant Department and the concerned supervisor(s).

9.4 A **Departmental Ph.D. Committee** shall be constituted as follows:

- a) A Professor of the Department nominated by the Vice-Chancellor - Chairperson
- b) One member of the Doctorate Committee related to the department nominated by the Vice-Chancellor for a maximum period of four years
- c) Supervisor(s) concerned (invited for items related to candidates working under her/his supervision)
- d) Four subject experts of whom at least two must be from outside the University, nominated by Departmental Board of Studies (BOS) for a maximum period of four years
- e) Head of the concerned Department - Convener

9.5 The **Research Advisory Committee (RAC)** for a Ph.D. scholar shall be constituted as follows

- a) Head of the Department of respective Department or his/her nominee-Chairperson
- b) Maximum two experts nominated by the Departmental Ph.D. committee
- c) Supervisor
- d) Co-Supervisor(s) (if any)

The supervisor of the respective Ph.D. scholar shall be the convener of the Research Advisory Committee and the Co-Supervisor (if any) shall be the Joint Convener.

## 10. VIVA-VOCE

10.1 At the viva-voce, the candidate shall be examined by the Supervisor (if there is any) and an external expert to be appointed by Secretary, Faculty Council under the signature of the Registrar as recommended by the Hon'ble Vice-Chancellor from the panel submitted by the Departmental Ph.D Committee. It shall be an open session, the date and time of which shall be communicated to the members of Departmental Ph.D Committee so as to enable them to attend the viva-voce. Copies of reports of the adjudicators on the written part of the thesis shall be sent to the examiners conducting the viva-voce and also to the candidate prior to the viva-voce. During viva-voce the candidate shall respond to the suggestions made by the examiners, if any, in writing which shall be forwarded by the viva-voce examiners to the Research Cell, addressed to the Registrar, along with the viva voce report.

10.2 The examiners of the viva-voce shall jointly submit a report to the Secretary of the concerned Faculty Council, on the performance of the candidate at the said examination, clearly indicating whether the candidate deserves to be admitted to the Ph.D. Degree. If the candidate fails to satisfy the examiners at the viva-voce, the candidate shall be allowed by the Doctoral Committee to appear again at a viva-voce after a period of three months from the date of the first viva-voce.

10.3 The Hon'ble Vice-Chancellor, after considering the reports on the thesis and the viva-voce, shall approve and direct the Registrar to issue Provisional Certificate and to place in meeting of the Governing Board of the University for ratification.

10.4 In case a candidate is not awarded the Degree on the basis of reports of the adjudicators or of the viva-voce examiners, the Dean/ Chairperson of Doctorate Committee on the recommendation of the Doctorate Committee of the concerned Faculty may permit the candidate to resubmit the thesis after necessary corrections or modifications after six months but within two years from the date on payment of usual fee for submission.

10.5 A copy of the thesis accepted for the Degree of Doctor of Philosophy, with necessary corrections or modifications, if there be any, shall be retained in the University Library.

10.6 Abstracts, written in English, of all theses, accepted by the University, shall also be sent to the 'Dissertation Abstracts International' by the Registrar for publication immediately after the candidate is admitted to the Degree.

## 11. DEPOSITORY WITH UGC

11.1 Following the successful completion of the evaluation process and announcement of the award of Ph.D. the University shall submit a soft copy of the Ph.D. thesis to the UGC for hosting the same in INFLIBNET, accessible to all Institutions/Universities.

11.2 Along with the Degree, the University shall issue a Provisional Certificate certifying to the effect that the Degree has been awarded in accordance with the provisions of the Regulations of the UGC.

## 12. REVOCATION OF DEGREE

The University shall have the power to revoke any Ph.D. degree conferred duly if the candidate is subsequently proved guilty of plagiarism, falsification / copying of data / information or any other form of academic or ethical malpractice. The decision of the Governing Board of the Presidency University shall be final.

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