

1. Programme Structure

12.1 Course Work & Assessment

12.1.1 For Engineering and Technology /Architecture

- i. The research scholars should successfully complete a minimum of three courses (minimum of 09 credits) prescribed by the Doctoral Committee
- ii. The courses shall be (i) Research methodology for the subject.
(ii) A back- ground subject related to his/her Ph.D. research
(iii) An advanced subject in the area ofresearch
- iii. The course work shall be completed within a period of the first two semesters.

12.1.2 For Science and Humanities

- i. All candidates shall complete three courses (minimum of 9 credits) prescribed by the Doctoral Committee.
- ii. The courses shall be (i) Research methodology for the subject.
(ii) A back- ground subject related to his/her Ph.D. research
(iii) An advanced subject in the area ofresearch
- iii. The course work shall be completed within a period of the first two semesters.

12.1.3. For Medical and Health Sciences:

- i. All candidates shall complete three courses (minimum of 9 credits) prescribed by the Doctoral Committee.
 - ii. The courses shall be (i) Research methodology for the subject.
(ii) A back- ground subject related to his/her Ph.D. research
(iii) An advanced subject in the area ofresearch
 - iii. The course work shall be completed within a period of the first two semesters.
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12.1.4. Candidates already holding M.Phil Degree & admitted to the Ph.D Programme or those who have already completed the course work in M.Phil & have been permitted to proceed to the Ph.D May be exempted for the Research Methodology course work of the M.Phil degree is related to the proposed Ph.D field of research to the extent recommended by the Doctoral Committee.

12.1.5. The research scholar shall submit the prescribed application (Annexure Va) and course work completion certificate [Annexure Vb] & fee for attending the final examination. The final examination for the course work is centralized and conducted by the Controller of Examinations along with the end semester examinations of other programmes. A research scholar has to obtain a minimum of 55% marks in the course work in order to continue the research work.

12.1.6. If the candidate fails to get the minimum of 55% marks, then a grace period of maximum of six months shall be given at the end of which the research scholar shall be re-examined. Then, if found fit, DC committee shall submit the minutes of the DC meeting for the course completion (Annexure Vc) the research scholar shall be permitted to proceed with the doctoral work. Otherwise, the research scholar's provisional registration shall be cancelled.

12.2 Directed Course

The directed course is done under the guidance of the Supervisor. For the internal evaluation there should be the following two components.

| | | | |
|------------------|------------|---|----------|
| i. | 5 Seminars | - | 15 Marks |
| ii. | 3 Tests | - | 15 Marks |
| ----- | | | |
| Total - 30 Marks | | | |
| ----- | | | |

The syllabus for the directed course is assigned to the above components in such a way that the entire syllabus is covered. The schedule for the course may be prepared by the Supervisor who teaches the course in the format given below and may be submitted to the Controller of Examination well in advance.

12.3 Course Code & Title : Name of the Supervisor : Department :

| S.No. | Component | Syllabus | Date |
|-------|-------------|------------------------|------|
| 1 | Seminar - 1 | From unit 1 | |
| 2 | Seminar - 2 | From unit 2 | |
| 3 | Seminar - 3 | From unit 3 | |
| 4 | Seminar - 4 | From unit 4 | |
| 5 | Seminar - 5 | From unit 5 | |
| 6 | Test – 1 | Covering Units - 1 & 2 | |
| 7 | Test – 2 | Covering Units – 3 & 4 | |
| 8 | Test – 3 | Covering all theUnits | |

For each of the courses, the maximum internal mark awarded is 30 marks. All the candidates have to appear for an external (Semester) examination in each subject conducted by the Controller of examinations for 70 marks. The passing minimum is 35 marks in the semester examination. The overall passing minimum is 55 marks.

Letter Grades and Grade Points (GP):

Based on the performance in each subject, the student is awarded a final letter grade. The letter grades and the corresponding grade points are as follows.

| Letter Grade | Grade Points | Range of Marks |
|-------------------|--------------|---|
| O (Outstanding) | 10 | 95-100 |
| A+ (Excellent) | 9 | 90-94 |
| A (Very Good) | 8 | 85-89 |
| B+ (Good) | 7 | 75-84 |
| B (Above Average) | 6 | 65-74 |
| C (Average) | 5 | 55-64 |
| F (Fail) | 0 | <55 Failure due to insufficient marks in the course |
| Ab (Absent) | 0 | Failure due to nonappearance in the examination |

Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the thesis. A scholar who gets less than C grade in a course work, he/she has to redo that course.

12.4 Comprehensive Examination

- (i) A research scholar shall take a comprehensive examination after the completion of two semesters of his/her research programme and by passing examination for the course work but before the completion of four semesters. The comprehensive examination is mandatory.
- (ii) The comprehensive examination shall be in the form of written and oral as recommended by the Doctoral Committee.
- (iii) Comprehensive examination shall be conducted by a panel of examiners which consists of the members of the Doctoral Committee along with one external examiner as recommended by the supervisors and forwarded through proper channel and approved by the Vice Chancellor.
- (iv) The Supervisor shall intimate the research scholar sufficiently in advance, the scope of the examination and other relevant details.
- (v) If the performance of the research scholar in the comprehensive examination is satisfactory, his/her provisional registration shall be confirmed. If the performance is unsatisfactory, he/she shall be given one more opportunity to appear for the examination within six months of the first examination. In case, the research scholar fails to successfully complete the comprehensive examination within the prescribed time limit, his/her provisional registration shall be cancelled by the University.