

REGULATIONS RELATING TO THE ADMISSION & EXAMINATION TO M.Sc. COURSES

1. In order to make a uniform policy for admission to the postgraduate classes, it was envisaged that admission to all postgraduate classes be opened at one time according to admission schedule under these regulations:
2. Definitions
 - i. 'University' means University of Engineering and Technology, Lahore
 - ii. 'Faculty' means the concerned faculty of the University
 - iii. 'Dean' means the Dean of the faculty concerned
 - iv. 'Chairman' means the chairman of the Department concerned
 - v. 'Controller of Examinations' means the controller of examinations of the University
 - vi. 'Academic Year' means a year from ~~First October to 30th September~~
 - vii. 'Subject' means, prescribed course of study
 - viii. 'Internal Examiner' means teacher/person appointed by the Competent Authority to teach the subject(s)
 - ix. 'External Examiner' means a person holding suitable qualification in the relevant discipline appointed by the Competent Authority for the examination being held. Neither a teacher of the University nor one who has taught the subject can act as an External Examiner
 - x. 'Neutral Examiner' means a person holding suitable qualifications in the relevant discipline who has not taught the subject to the class during the academic year in which the examination is being held, but is a member of the teaching staff of the Department
 - xi. 'Vice Chancellor' means the Vice Chancellor of the University
 - xii. 'Pro Vice Chancellor' means the Pro Vice Chancellor of the University
 - xiii. 'Student' means a bonafide student of postgraduate degree program who has been admitted/registered to the discipline concerned

Explanation

- a) In these regulations the pronoun 'he' and 'its' are used for both male and female persons
- b) The medium of instructions and examination/thesis shall be English

3. Eligibility for Admission

Only those candidates will be eligible for admission who have passed their undergraduate (16 years equivalent) degree by securing a minimum of 60% marks or a CGPA of 3.00 out of a maximum of 4.00. CGPAs on other scales will be translated accordingly. For admission to M.Sc. in Applied Physics/Applied Chemistry/Applied Mathematics the candidate has to secure a minimum of 60% marks in B.Sc. (14 years) as well as a minimum marks of 60% in the relevant subject.

The applicant shall have to clear General Aptitude Test (GAT) General test for admission to all programs except M.Sc. in Applied Physics/Applied Chemistry/Applied Mathematics for which tests shall be given by respective Departments.

- a) A candidate for admission to a postgraduate class, [other than those mentioned at (b) to (m) below] must possess at least Bachelor's Degree in the relevant discipline/subject from a recognized Institute/University unless higher qualification is laid down for a particular discipline
- b) A candidate for admission to M.Sc. Applied Chemistry must hold one of the following degrees from a recognized University:

The Applicant must have passed Intermediate examination with Pre-Engineering/Pre-Medical subjects & B.Sc. with one of the following combinations:

- Chemistry, Physics and Mathematics/Mathematics General
 - Chemistry, Physics and Statistics
 - Chemistry, Physics and Geology
 - Chemistry, Botany and Zoology
- c) A candidate having one of the following degrees will be eligible for admission in M.Sc. Computer Engineering:
 - Four years Bachelor's degree in Computer Science and Engineering or Computer Systems Engineering or Computer Engineering or Electrical Engineering or M.Sc. (16 years) in Physics with specialization in Electronics or M.Sc. (16 years) in Electronics from HEC recognized University
 - There is no age restriction
 - d) A candidate having one of the following degrees will be eligible for admission in M.Sc. Computer Science:
 - Four years Bachelor's degree in Computer Science or Computer Science and Engineering or Computer Systems Engineering or Computer Engineering from HEC recognized University
 - M.Sc. (16 years) in Computer Science or equivalent from HEC recognized University
 - B.Sc. Electrical Engineering from HEC recognized University subject to completion of six additional CS foundations courses as determined by Post Graduate Committee
 - There is no age restriction
 - e) A candidate for admission to the Master's Degree Course in City & Regional Planning must hold one of the following degrees from the recognized University/Institution:
 - B.Sc. City & Regional Planning

- Bachelor of Architecture
 - B.Sc. Civil Engineering
- f) A candidate for admission to M.Sc. in Mathematics must hold one of the following degrees from a recognized Institution:
- B.A./B.Sc. with A & B Courses of Mathematics
 - B.Sc. with Mathematics and Physics
- g) A candidate for admission to M.Sc. degree course in Mechatronics must hold one of the following degrees from a recognized Institution:
- B.Sc. Mechanical Engineering
 - B.Sc. Electrical/Electronics Engineering
 - B.Sc. Mechatronics Engineering
- h) Candidate for admission to M.Sc degree course in Applied Physics must hold B.Sc degree with physics and Mathematics as major subjects
- i) A candidate for admission to M.Sc. Environmental Engineering must hold one of the following degrees from a recognized University/Institute:
- B.Sc. Civil Engineering
 - B.Sc. Chemical Engineering
 - B.Sc. Environmental Engineering
 - B.Sc. Transportation Engineering
 - B.Sc. Building & Architectural Engineering
 - B.Sc. Mechanical Engineering
- j) A candidate for admission to M.Sc. in Integrated Building Design must hold one of the following degrees from a recognized University:
- B.Sc. Architectural Engineering & Design
 - B.Sc. Civil Engineering
 - Bachelor of Architecture
- k) A candidate for admission to M.Sc. in Building Engineering must hold one of the following degree from a recognized University
- B.Sc. Architectural Engineering & Design
 - B.Sc. Civil Engineering
- l) A candidate for admission to M.Sc. Engineering Management must hold B.Sc. Engineering Degree from a recognized University/Institute
- m) A candidate for admission to M.Arch must hold one of the following degrees from a recognized University:
- B.Sc. Architectural Engineering & Design
 - B.Sc. in City & Regional Planning
 - B.Sc. Civil Engineering

However pre-requisite subjects, if required will be decided at the time of admission considering the subjects opted by the students

4. Award of Postgraduate Degrees

Postgraduate Degrees shall be awarded in the following disciplines:

- i. Faculty of Electrical Engineering:
 - M.Sc. Electrical Engineering.
 - M.Sc. Computer Science
 - M.Sc. in Computer Engineering
- ii. Faculty of Mechanical Engineering:
 - M.Sc. Mechanical Design Engineering
 - M.Sc. Thermal Power Engineering
 - M.Sc. Manufacturing Engineering
 - M.Sc. Engineering Management
 - M.Sc. Mechatronics & Control Engineering
- iii. Faculty of Civil Engineering:
 - M.Sc. Structural Engineering
 - M.Sc. Geotechnical Engineering
 - M.Sc. Hydraulics & Irrigation Engineering
 - M.Sc. Transportation Engineering
 - M.Sc. Environmental Engineering
 - M.Sc. Integrated Building Design
 - M.Sc. Building Engineering
 - M.Sc. Water Resources Management
 - M.Sc. Water Resources Engineering
 - M.Sc. Engineering Hydrology
 - M.Sc. Hydropower Engineering
- iv. Faculty of Chemical, Mineral & Metallurgical Engineering:
 - M.Sc. Chemical Engineering
 - M.Sc. Polymer & Process Engineering
 - M.Sc. Metallurgical & Materials Engineering
 - M.Sc. Mining Engineering
 - M.Sc. Petroleum & Gas Engineering
 - M.Sc. Geological Engineering
 - M.Sc. Geological Sciences
- v. Faculty of Architecture & Planning:
 - M.Sc. City & Regional Planning
 - Masters degree in Architecture
 - M.Sc. community development and environment management
- vi. Faculty of Natural Sciences, Humanities and Islamic Studies.
 - M.Sc. Applied Physics

- M.Sc. Applied Chemistry
 - M.Sc. Applied Mathematics
5. Procedure for Admission
- a) Application on prescribed form with requisite documents, complete in all respects should be submitted to the respective Department, University of Engineering and Technology, Lahore on or before the due date
 - b) Incomplete applications shall not be entertained
 - c) The non-refundable application fee should be remitted/paid through Habib Bank account no 01287900621003 with the application
 - d) The admission of foreign students will be made on the basis of the academic record of the candidate and the assessment of his scholarship made by the Board of Postgraduate Studies of the Department concerned. The Board of Postgraduate Studies may ask the candidate to appear for test and interview
6. Test and Interview for Admission
- For admission to programs where GAT/GRE General Test is not required (Programs under the Faculty of NSHIS) a written admission test shall be held by the Department concerned on the fixed date and interviews shall be held immediately after the test. For all other programs interviews shall be held by the respective Departments on specified dates. Separate interview shall be held for each specialization where applicable. The candidate must qualify the test and interview
7. Admission on Merit
- The admission will be granted on merit
8. Determination of Merit
- In order to determine the merit for admission, the marks obtained by a candidate in the test and interview will also be added to the academic marks obtained by him as given below:
- Academic: 60 marks
 - Test: 25 marks
 - Interview: 15 marks
9. Pre-requisite Courses
- Depending upon the number and nature of courses studied by an applicant at the undergraduate level, the candidate may be directed by the Chairman concerned to study and pass a certain number of pre-requisite courses at the undergraduate level before permission to attend the postgraduate classes
10. Procedure in Case of Selected Candidates
- i. A candidate selected for admission will be informed through an official notification issued by the Convener Admission Committee and a list of selected candidates will also be displayed on the Notice Boards of the

concerned Department and of the Admission Cell. Website www.uet.edu.pk

- ii. Within 10 days of the dispatch of an official notification the selected candidate will be required to pay the University dues and submit four copies of photographs duly attested
- iii. On fulfillment of requirements mentioned above, the candidates will be admitted to postgraduate classes. The Chairman of the Department will send immediately a list of admitted students through the Dean concerned for registration
- iv. No candidate shall normally be admitted after 15 days from the beginning of the classes.

11. Requirement for Postgraduate Course

- i. A full-time course in Engineering, Architecture and City & Regional Planning shall extend over a minimum period of one academic year and a part-time course shall be extended over a minimum period of two academic years. However, in case of M.Sc. course in Engineering Management, full-time course shall extend over a minimum period of one and a half academic year and a part-time course shall extend over a minimum period of two and half academic years
- ii. The full-time course in M.Sc. Applied Chemistry, Applied Physics, Applied Mathematics and Mechatronics shall extend over a minimum period of two years
- iii. There shall be two terms in an academic year. The first term will normally commence from the first ~~Monday of October~~
- iv. The postgraduate courses shall be divided into two groups, Group-A, and Group-B. The subjects to be offered in each term shall be decided by the Chairman concerned in consultation with the Board of Postgraduate Studies and shall be announced at least one month before the commencement of the term
- v. The master degree students will be required to take certain number of subjects from Group-A and Group-B, offered by the Department. The number of subjects to be taken by the students are indicated in the courses of study of the concerned Department
- vi. If the Chairman of the Department/Director of the Institute feels necessity of additional subject to be taken by the candidate he may direct him accordingly
- vii. A part-time student shall normally be allowed to take only two subjects in a term. The Chairman of the Department/Director of Institute concerned may, however, allow the student to take an additional subject

12(A). Requirements for Examination

- i. Each examination shall be held within the University Campus/constituent college/affiliated college, twice in an Academic Year at the end of each term
- ii. No candidate shall be admitted to an examination unless he fulfills the following conditions:

- a. He has been on the rolls of the University in the faculty concerned during the term in which the examination is held
 - b. The Candidate has submitted to the department concerned not less than two weeks before the date fixed for the commencement of examination, an application on the prescribed form together with the prescribed examination fee. If for any reason, he could not do so in time, he may submit his application later along with the prescribed examination fee and a late fee of (Rs. 100/-) before the commencement of the examinations. No application shall be entertained after commencement of the examination.
 - c. He has not been debarred for admission to the examination under any other Regulation
- 12(B) The Department concerned shall forward the proposed date-sheet to the Controller of Examination for approval of the competent authorities, at least two week before the commencement of examination.
- 12(C) The Department concerned shall also forward the list of candidates appeared in an examination at most one day after commencement of examination.
13. Pass Marks
In order to pass the examination in any paper, a candidate shall have to obtain not less than 50 percent marks in it.
14. Attendance Requirement
No candidate shall be admitted to an examination unless the following conditions are fulfilled:
- i. He has been on the rolls of the University during the whole academic term in which the examination is being held
 - ii. He has attended in each paper in which he has to be examined not less than 85 percent of total number of lectures delivered, the periods of laboratory practical and design work done and the instructional tours made during the term in which the examination is held, provided that the Dean of the faculty concerned may for valid reasons condone to the extent of 10 percent of deficiency in the above mentioned percentage
15. Part-I & Part-II Sessional Work, Studio Work, Practical and Viva Voce
- i. Part-I (Theory) and Part-II (sessional, studio work, practical and viva voce), both examinations shall be considered as separate papers for the purpose of examination
 - ii. The sessional work shall include tests, practical work, studio work and other assignments. Students appearing for theory paper as well as sessional work shall pay separate fees for Part-I & Part-II. For all postgraduate programs excluding M.Sc. Applied Physics, Applied Chemistry and Applied Mathematics

- iii. If a candidate fails in one paper only and obtains not less than 40 percent marks, he shall be allowed to appear in the paper at the end of the following term only
- iv. If a candidate fails in more than one paper or fails in a single paper after having appeared in second time, he shall be allowed to appear in examination in the paper(s) only provided that he shall repeat the full course of the paper. For M.Sc. Applied Physics, Applied Chemistry and Applied Mathematics
- v. If a candidate fails in part-I and/or Part-II paper(s), he shall be allowed to re-appear in these paper(s) in two examinations only. If he fails in these paper(s) in two attempts, he shall repeat the full course in order to appear in the examination of the paper.

16. Thesis/Dissertation

- i. In addition to the course work the candidate shall be required to submit the dissertation/thesis. Each candidate shall be assigned for his thesis research to a supervisor. Title of research and the name of the supervisor shall be approved by the Vice Chancellor on the recommendations of the Chairman of the Department/Director of the Institute concerned
- ii. A candidate must pass in all the papers of the course before the thesis evaluation is undertaken
- iii. Evaluation will be done by the internal and external examiners. The supervisor will act as the internal examiner and the external examiner will be appointed by the Vice Chancellor on the recommendations of the Board of Postgraduate Studies of the Department concerned
- iv. Every candidate shall submit 4 typed copies of his thesis for evaluation within six months from the date of assignment of the thesis. One copy of the dissertation after evaluation will be returned to the candidate concerned
- v. If a candidate is permitted to revise his thesis, he must submit the revised thesis for evaluation not later than six months from the announcement of the decision permitting him to do so

17. Maximum Time Limit

A full time candidate must fulfill all requirements for the award of Master's degree within a period of **four academic years** from the date of his registration and a part-time candidate must do so **within six academic** years from the date of his registration

**STATUTES AND REGULATIONS GOVERNING THE
SEMESTER SYSTEM OF TEACHING AND EXAMINATIONS
OF M.Sc. COMPUTER SCIENCE AND M.Sc. COMPUTER
ENGINEERING DEGREES**

1. For full-time students, the minimum duration of the degree program shall not be less than three regular academic semesters in Computer Science and Computer Engineering
2. The maximum duration of the degree program shall not be more than four academic years from the date of registration in case of full-time students and six academic years from the date of registration for part-time students
3. The minimum credit hours required for the award of degree shall not be less than 33
4. The course of study, the Credit Hours (CH) allocated to each subject and detailed syllabus shall be according to the proposals made by the Post Graduate Research Committee concerned and approved by the Syndicate on the recommendations of the Board of Faculty concerned and the Academic Council
5. In Part-I of a subject, there shall be a midterm examination of minimum one hour duration and an end-term examination of at least one and a half hour duration. These examinations shall carry 30 and 40 percent weight of the Part-I of that subject, respectively. Short quizzes, home assignments and class participation shall carry the remaining 30 percent weight for Part-I of that subject
6. In Part II of a subject, each Experiment, Design, Drawing, Project or Assignment shall be considered an examination. The cumulative performance in all the Experiments performed, Designs, Drawings or Assignments completed during the semester shall carry 100 percent weight for Part II of the subject. Teacher(s) of Part II shall keep all students informed of their performance at every stage in each category of task performed. At the end of semester and before the commencement of end-term examination, teacher(s) would prepare a comprehensive award list. This list would show marks earned in each category of the task performed and the cumulative score earned by the student, out of 100. The teacher(s) would assign letter grades to the comprehensive scores in consultation with the chairman according to the prescribed guidelines. This list along with letter grades would be displayed for three days on notice board for the students to see and discuss anomalies, if any. Following this period, one copy of the comprehensive award list along with letter grade would be sent to the Controller through the chairman of the Department. One copy each would be retained by the chairman and the teacher. It is the responsibility of the chairman of the Department to ensure correctness of the comprehensive award list
7. For all examinations, the teacher or teachers of a subject shall set the

- question paper of that subject, supervise its examination, mark the answer books and prepare the award list. However, external examiners shall be involved for examining the M.Sc. thesis. Continuous assessment and final viva-voce examination for the thesis shall carry 60 and 40 percent weight, respectively
8. Every subject teacher(s) of Part I shall return the marked quizzes and midterm examination scripts to the students for review. Midterm scripts, however, would be recovered from the students and deposited with the chairman concerned. It is required that the students should know their complete results excluding the End-Term before commencement of the End-Term examinations. Teacher(s) would mark the End-Term examination scripts within one week after its completion. The teacher(s) would prepare a comprehensive award list indicating: (a) marks earned in each quiz; (b) marks earned in the Midterm examination; (c) Assignment (if any); (d) the marks earned in the End-Term examination; and (e) Cumulative score in percent, earned as a whole, by each student according to weights assigned to each category of examination/tests according to para (6) of these regulations. The teacher(s) would assign letter grades to the comprehensive scores in consultation with the chairman according to the prescribed guidelines. This comprehensive award list along with letter grades would be pasted on the notice board for three days for students to see and discuss anomalies, if any. The students may be shown the end term examination marked scripts, if they so desire. Ten days after the End-Term examination, one copy of this comprehensive award shall be sent to the Controller through the Chairman of the Department and one copy each shall be retained by the chairman and the teacher. It is the responsibility of the chairman of the department to ensure correctness of the comprehensive award list
 9. Grade points (GP) in each subject, Semester Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA) of each student shall be computed by the Controller at the end of each semester
 10. Letter Grade shall be awarded according to the guidelines provided by the University and Grade Points shall be awarded according to the following criteria:

**Table: Guidelines for Award of Letter Grades
And Corresponding Grade Points**

Grade	A+	A	B+	B	B-	C+	C	C-	D	F
Grade Points	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.0	0.0
% age Marks	90	85	80	75	70	65	60	55	50	< 50
Guidelines	-	-	-	-	-	-	-	-	-	-
	100	89	84	79	74	69	64	59	54	

11. The GPA and CGPA shall be computed according to the following formula:

$$GPA = \frac{\sum_{i=1}^n \text{Grade}_i \times \text{Credits}_i}{\sum_{i=1}^n \text{Credits}_i}$$

$i = 1$ to n , where n is the number of subjects in the semester for which GPA is computed.

$$CGPA = \frac{\sum_{j=1}^m \text{GPA}_j \times \text{Credits}_j}{\sum_{j=1}^m \text{Credits}_j}$$

$j = 1$ to m , where m is the number of total subjects covered in all semesters up to the semester for which CGPA is to be computed

12. A student who fails to maintain a minimum GPA of 2.0 at the end of 1st semester shall be put on probation for the 2nd semester. In case he fails to improve his CGPA to 2.0 at the end of 2nd semester, his name shall be removed from the rolls of the University
13. A student shall have the option to repeat subjects in order to enable him/her to improve his/her CGPA. In case of repetition of a subject, the new grade earned would replace the previous grade, whether high or low
14. Completion of required number of credit hours with a minimum CGPA of 3.0, without any 'F' grade, shall be required for the award of degree. Name of the student who fails to complete his degree requirements within the maximum time allowed would be removed from the University rolls
15. Answer sheets of midterm and end semester examinations will be stored in the respective Department for one calendar year after declaration of result of that semester. The sheets would be destroyed subsequently
16. A student may submit a Grade Change Request to the chairman's Office specifying the specific reason for change in grade. Grade Change Requests must be submitted not later than one week after the first grade was posted or within the first week of the following semester, whichever is later. The request will be routed to the concerned faculty member. Normally, the only person who can change a grade is the faculty member who gave the grade; however, in case that faculty member is no longer available or cannot be reached, the Department chairman has the authority to evaluate the situation and change a grade, if required. When a grade is to be changed, the chairman shall forward the case to the Dean with justification for change. The result will be modified after approval of the Vice Chancellor
17. Within first fifteen days of the beginning of each semester excluding the first semester, Chairman of the Department shall register students in subjects being taught during that semester in his Department. Registration roll in each subject of the semester shall be dispatched to the Controller of Examinations.