

## **REVISED REGULATIONS FOR MPhil/MS PROGRAMS**

### **01. REGULATIONS REGARDING THE GENERAL SCHEME OF STUDIES FOR THE POSTGRADUATE DEGREE PROGRAMS (MPhil / MS) OF THE SHAHEED BENAZIR BHUTTO UNIVERSITY, SHAHEED BENAZIRABAD.**

**1.1 Title:** These Regulations shall be called the Shaheed Benazir Bhutto University, Shaheed Benazirabad Postgraduate Degree Program Regulations 2024.

**1.2** These Regulations shall be subject to the Shaheed Benazir Bhutto University, Shaheed Benazirabad General Scheme of Studies for Postgraduate degree programs Statutes 2023.

**1.3 Commencement:** These Regulations shall be deemed to have come into force with effect from the academic session **2024**.

**1.4 Definitions:** In these Regulations unless otherwise expressly stated.

- (i) "University" means the Shaheed Benazir Bhutto University, Shaheed Benazirabad.
- (ii) "College" means the constituent; Affiliated College of the University.
- (iii) "Academic Year" means the Academic Year of the University.
- (iv) "Vice-Chancellor", "Dean", "Principal", "Chairman", "Director Postgraduate Studies", "Teacher" and "Controller of Examinations" means the Vice Chancellor, the Dean, The Principal, the Chairman, the Director Postgraduate Studies, the Teacher and the Controller of Examinations of the University.
- (v) "Credit Hour (C. H.)" means one credit hour for a particular course is generally considered as one hour of teaching theory per week.
- (vi) "Quality Point (Q. P.)" mean the value obtained by multiplying grade obtained by student with the credit hours of that course.
- (vii) "Grade Point Average (G. P. A.)" means a value obtained by dividing sum of quality points by sum of credit hours offered during a particular semester.
- (viii) "Cumulative Grade Point Average (C. G. P. A.)" means the value obtained by dividing sum of quality points for all the courses appeared by sum of credit hours for all the courses appeared.
- (ix) Scholar means a student of graduate degree program
- (x) Entry Test means University Test for MPhil/MS admission

#### **1.5 Requirement to start a MPhil/MS Program**

(i) There should be at least 02 number of PhDs working as full time faculty member in the department to start a program. The research field of the PhD should be relevant with the program.

(ii) NOC from HEC

#### **1.6 Admission Eligibility Criteria**

- (a) To be eligible for admission to the Master's degree, the candidate must possess Bachelor's Degree (16 years education in the relevant field) with minimum CGPA 2.5 (or first division with minimum 60%) in Engineering/Science from a recognized Institution.
- (b) He / She is further required to be proficient in the English language and be physically and mentally fit for the study.
- (c) The candidates will have to produce GAT (General)/ HAT/ GRE score with a minimum 50% percentile or have to appear and qualify university Test as per HEC criteria score with a minimum of 50% marks.

### **1.7 Criteria / Procedure for Admission in MPhil/MS Program**

- (a) The applicant must submit the online Application Form duly completed in all respects, along with the relevant documents on or before the last date.
- (b) The Director Postgraduate Studies/ Admission will process applications received and will prepare merit list of the candidates who qualify the test for admission and put up to Vice-Chancellor for approval.
- (c) Selected candidates for admission to the courses will be informed for their selection by notification/letter issued by Admission office or their names will be displayed on the University notice board as well as on website of the University.
- (d) The selected candidates will be required to report to the Admission for verification of their documents and payment of prescribed fees and seek registration within stipulated time as mentioned in the admission notification/letter. The Admission office shall assign registration number to each student.
- (e) The Admission office shall forward the names of the candidates admitted in the due course of time to the concerned department
- (f) The program can start if there is a minimum required number of students. No student will be admitted after two weeks of the start of the classes.
- (g) Admission of any student will liable to be cancelled at any stage if his/her academic progress or conduct at any stage is found to be unsatisfactory.
- (h) A postgraduate student, if employed, will be required to submit "**No Objection Certificate**" alongwith application form for admission from his/her employer (if he/she is working) before registration stating that he/she would be permitted to attend the classes and during the period of his studies he/she would be posted at or near Nawabshah.
- (i) If any of the particulars or documents given by the candidate in his / her application for admission are found to be incorrect or facts suppressed, he / she shall be refused for admission and appropriate action will be taken against him/her. If any incorrect or false statement or suppression of facts is detected even after a candidate has been granted admission, his / her admission shall be stand cancelled and he / she shall be expelled from the University at any time during the course/research of his / her studies and other legal action may be taken

- (j) A candidate who is already enrolled in some other institution is ineligible to get admission in this University. If any case is detected where a student enrolled in this University is also student of some other Institution, his / her admission in the University shall be stand cancelled.
- (k) At the time of admission, selected candidates shall submit an undertaking to abide by all the rules and maintain the discipline of the University and not indulge in any political activity.

**1.8** The MPhil/MS program will be conducted in the evening. The minimum period for completing an MPhil/MS degree shall be two academic years (4 semesters including research work) and the maximum period for completing an MPhil/MS degree shall be four academic years (8 semesters including research work).

### 1.9 Admission and Semester Fee

The fees of following heads will be charged per semester to all the students till final viva voce. However, the semester period of even a couple of weeks will be considered as full semester for semester fees.

Master Program	Admission Fees & other charges	Library Fee Annual	Student ID Card Fee	Sports Fee (Annual)	Enrollment	Transport Fee	Marksheet Verification Fee	Semester Fee Per Semester	Study Tour Fee (Annual)	Wi-Fi/ Computer Fee	Thesis/Project Fee	Lab Fee Annual	Total Fee
M.Phil. Chemistry	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	RS. 5000	RS. 116,500/-
MS Genetics	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	RS. 5000	RS. 116,500/-
M.Phil. Education	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	-	RS. 111,500/-
MBA 2 Year	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	-	RS. 111,500/-
MBA 1.5 Year	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	-	RS. 111,500/-
MS Business	RS. 20000	RS. 2500	RS. 1000	RS. 1500	RS. 1000	RS. 20000	RS. 2500	RS. 35000	RS. 1000	RS. 2000	RS. 25000	-	RS. 111,500/-

	<b>MPhil Education</b>	<b>MPhil Chemistry</b>	<b>MS Molecular Biology &amp; Genetics</b>
Admission Fee	20,000/-	20,000/-	20,000/-
Library Fee (Annual)	2500/- x2 = 5000	2500/- x2 = 5000	2500/- x2 = 5000
Student ID Card Fee	1000/-	1000/-	1000/-
Sports Fee (Annual)	1500/- x2 = 3000	1500/- x2 = 3000	1500/- x2 = 3000
Transport Fee (Annual)	20,000/- x2 = 40,000	20,000/- x2 = 40,000	20,000/- x2 = 40,000
Marksheet Verification Fee	2500/-	2500/-	2500/-
Lab Fee	-	5000/- x2 = 10,000	5000/- x2 = 10,000
WiFi/Computer Fee (Annual)	2000/- x2 = 4000	2000/- x2 = 4000	2000/- x2 = 4000
*Thesis/Project/Supervision/ Evaluation/Defense Fee	25,000/-	25,000/-	25,000/-
**Semester Fee	35,000/ x3 = 105,000/-	35,000/ x3 = 105,000/-	35,000/ x3 = 105,000/-
<b>Total Fees for <u>MPhil &amp; MS</u></b>	<b>205,500/- (Two Lacs Five Thousand Five Hundred)</b>	<b>215,500/- (Two Lacs Fifteen Thousand Five Hundred)</b>	<b>215,500/- (Two Lacs Fifteen Thousand Five Hundred)</b>

	<b>MBA 2.0 Year</b>	<b>MBA 1.5 Year</b>	<b>MS Management Science</b>
Admission Fee	20,000/-	20,000/-	20,000/-
Library Fee (Annual)	2500/- x2 = 5000	2500/- x2 = 5000	2500/- x2 = 5000
Student ID Card Fee	1000/-	1000/-	1000/-
Sports Fee (Annual)	1500/- x2 = 3000	1500/- x2 = 3000	1500/- x2 = 3000
Transport Fee (Annual)	20,000/- x2 = 40,000	20,000/- x2 = 40,000	20,000/- x2 = 40,000
Marksheet Verification Fee	2500/-	2500/-	2500/-
WiFi/Computer Fee (Annual)	2000/- x2 = 4000	2000/- x2 = 4000	2000/- x2 = 4000
*Thesis/Project/Supervision/ Evaluation/Defense Fee	25,000/-	25,000/-	25,000/-
**Semester Fee	35,000/ x3 = 105,000/-	35,000/ x3 = 105,000/-	35,000/ x3 = 105,000/-
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**1.10** The courses of studies for the MPhil/MS programs of the University shall be recommended by the Board of Studies of the concerned department and approved by the Advanced Studies & Research Board of the University from time to time.

**1.11** Each degree program shall carry a number of approved courses and each course shall be assigned a number of Credit Hours. The Credit Hours per semester for each discipline shall be between 09-12 (03 to 04 courses) for MPhil/MS program.

**1.12** There shall be two semesters in an academic year. The duration of teaching and examination time in each semester shall be 16 weeks.

### **1.13 Scheme of Studies**

The scheme of studies shall be as under:

(a) **Coursework:** The maximum period for completing coursework for master's degree shall be three semesters with 24 credit hours. A total of 30 credit hours are required to be completed for Master's degree program, out of which 24 credit hours are for coursework and 06 credit hours for research one semester.

(b) **Research work:** The minimum period for completing research work shall be 03 months with 06 credit hours of thesis/dissertation.

The Directorate of Postgraduate Studies will conduct the seminars/viva voce of each student who applied for seminar/viva voce within one month (30 working days) subject to the availability of external, and internal examiners and completion of all requirements by the student for the seminar/viva voce.

**(c) Initial Seminar**

- After successful completion of the coursework, the student will fill out the Supervisor/co-supervisor selection form on the prescribed form signed by the student, supervisor, co-supervisor (if any), HoD/program coordinator, dean, and director PGS.
- The student will get an approved supervisor/Co-Supervisor letter from the Director PGS after the approval of ASRB.
- The student will select his / her Thesis topic in consultation with his / her Academic Supervisor, and submit the research proposal to the Director PGS office on prescribed proforma.
- The student will be eligible to deliver the initial seminar of his / her project if his /her minimum GPA in coursework is not less than 3.0.
- The Research Proposal Proforma should be signed by the student himself/herself, his/her supervisor and co-supervisor(s), the Chairman/Chairperson/coordinator of the concerned Department, and duly approved by the Dean of the concerned faculty.
- The Research Proposal proforma will be submitted in the office of the Director PGS through concern dean with the following documents Project Proposal. Each page of the proposal will be signed by the student and his/her supervisor and co-supervisor (s).
  - A copy of the Bank Chalan after the payment of the processing fees.
  - Attested photo copy of the marks certificate of the first semester to third semester.
  - The Similarity index of the scanning report (Plagiarism) verified by director PGS. It must be less than or equal to 19% and no any single source should have a similarity index more than or equal to 5%.
  - Attested copy of the Enrollment Card.

Meeting all the requirements, the candidate will deliver initial seminar publicly including internal examiner, external examiner and ASRB members.

If the student has applied for initial seminar he/she may be liable to pay thesis processing fees Rs. 25000 with condition that he / she will complete thesis work within maximum twelve months. In case one fails to do so he / she will pay fee for extra period i.e. may be one semester or more.

**(d) Research work:** On the approval of the research topic from ASRB the student shall proceed with his/her research work under the guidance of his/her supervisor and co-supervisor in accordance with the approved regulations.

**(e) Progressive Seminar:** The Student must deliver a progressive seminar in front of internal experts/examiners and incorporate the changes/suggestions given by experts. A panel can ask for a repeat progressive seminar if the student does not satisfy the expert panel.

**(f) Final Seminar and Viva Voce**

The candidate will be eligible to deliver final seminar of his / her project if his /her minimum GPA in the third semester is not less than 3.0.

(g) **Thesis/Dissertation:** Before final seminar and viva voce the student should submit his / her thesis duly checked by the research supervisor to the Director Postgraduate Studies through proper channel for evaluation by internal and external examiners.

**Conduct of Final Seminar:** A student will be eligible to deliver final seminar if:

- His/her Initial Seminar has already been approved by the ASRB.
- His/her progressive Seminar has already been approved by the supervisor and seminar experts.
- He/she has submitted one hard copy (loose bound/Spiral binding) of the thesis, prepared as per approved guidelines.
- The student will inform the Director PGS in written through proper channel that he/she is ready for the final seminar.
- The Director PGS will announce the date for the conduct of the final seminar.
- The student will give final seminar before the experts and ASRB members.
- The External Examiner; to be recommended by Dean and appointed/approved by the ASRB.
- The Dean of the Concerned Faculty or his/her nominee.
- At least one member of the ASRB other than the Dean of the concerned faculty.
- At least one Internal Examiner to be recommended by Dean and appointed/approved by the ASRB.
- The Director will submit the evaluations of the experts to ASRB for final approval.
- If ASRB does not approve the final seminar, the student will be asked to give another final seminar by incorporating suggestions/corrections/comments/observations of the experts and ASRB members.
- Normally more than two repeat final seminars will not be allowed. However, the ASRB reserves the right to allow third repeat seminar in special cases.

**Schedule for conduct of seminar(s) & final viva voce:** Those students who submit their applications before 15<sup>th</sup> day of the month, their seminar/viva voce will be conducted up to 15<sup>th</sup> day of the next month. Any application received for conduct of seminar/viva voce after 15<sup>th</sup> day of the month will be entertained in next to subsequent month.

**For example:**

- (a) Application received up to 15.01.2023, their seminar/viva voce will be conducted from 01.02.2023 to 15.02.2023
- (b) Application received after 15.01.2023, their seminar/viva voce will be conducted from 01.03.2023 to 15.03.2023

The Directorate of Postgraduate Studies will not receive any incomplete application form for conduct of seminar/viva voce. Maximum 03 MPhil/MS seminars/viva voce will be conducted in a day.

#### **1.14 Number of attempts Repeat Examination**

In case of failure or having less than 3.0 CGPA in course work than required for the research work, the student will be given chance to clear / improve CGPA after declaration of third semester result. The expenses incurred on such examination will be borne by the candidate him / herself.

**1.15 The examination evaluation system as defined below is used**

- i. Theory: Internal examiner (Subject Teacher)
- ii. Initial Seminar: Internal Examiner (s) preferably from within the University.
- iii. Progressive seminar: Internal Examiner (s) preferably from within the university.
- iv. Final Seminar (s) / Viva Voce: Internal Examiner (s) preferably from within the University, and External Examiner (s) from another university.

**1.16 Appointment of Examiners**

The Supervisor(s) should propose panels for internal and external examiners. From these panels, the Dean of the Faculty shall recommend the internal and external examiner (or any other expert, if necessary). The Vice-Chancellor shall then appoint/approve the examiners as proposed by the Dean of the faculty or may change both or any examiner.

The thesis is supposed to be evaluated one of the external examiner preferably out of province.

**(ii) Declaration of final thesis result**

The results of the final viva voce/thesis examination will not be announced by the controller of examination until the minimum period of the degree be completed

**1.17 Yearly Academic Program**

i.	Teaching duration of 1 <sup>st</sup> semester	16 Weeks
ii.	Mid Semester Examination including mid break	01 Weeks (after 8 weeks)
iii.	Preparation of final 1 <sup>st</sup> Semester Examination	01 Weeks (after 15 weeks)
iv.	Conduct of final 1 <sup>st</sup> semester Examination (week)	01 Weeks (during 16 <sup>th</sup> or 17 <sup>th</sup>
v.	Summer Break	8 Weeks
vi.	Teaching duration of 2 <sup>nd</sup> Semester	16 Weeks
vii.	Mid Semester Examination including mid break	01 Weeks (after 8 weeks)
viii.	Preparation of final 2 <sup>nd</sup> Semester Examination	01 Weeks (after 15 weeks)
ix.	Conduct of final 2 <sup>nd</sup> Semester Examination (week)	01 Weeks (during 16 <sup>th</sup> or 17 <sup>th</sup>
x.	Winter Break	02 Weeks

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<b>Total</b>	<b>48 Weeks</b>
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**1.18 Mid Semester Examination**

**MPhil/MS:** Mid semester examination will be of one and half hour duration for 3 CHs course with no choice (student has to attempt all questions).

**1.19 Distribution of Marks**

The distribution of marks of each 03 CH theory course in a semester will be as under:

**Theory**

	Maximum Marks 100
i. Sessional work (Quiz 10 & Assignment 20)	30
ii. Mid Semester Examination	30
iii. Final Semester Examination	40

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<b>Total:</b>	<b>100 Marks</b>
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### **1.20 Attendance Requirement**

A student should have at least 75% attendance in each course to appear in the Final Semester Examination.

### **1.21 Appearance in the Semester Examination**

The semester examination will be opened to the students who full-fills the following conditions.

- (i) During the semester immediately preceding the examination, he / she has been on the roll list of the concerned Department of concerned faculty.
- (ii) He /she has fulfilled the prescribed requirements of the attendance.
- (iii) He / she has submitted his / her Examination Form dully filled-in completely along with the prescribed fee and photographs to the Controller of Examination, through Director Postgraduate Studies & Research.

### **1.22 Final Semester Examination**

**MPhil/MS:** Final Examination will be of 02 to 03-hours duration for 3 CHs course and each question paper will contain 04 questions. The student has to attempt all questions (No Choice).

### **1.23 Setting of Question Paper/Assessment of Scripts**

#### **(a) Setting of Question Paper**

- (i) Question Papers for Semester Examination shall be drawn by the subject teacher(s) as Examiners, for all departments. In case of more than one subject teacher of a particular subject in the same department with assigned sections, the respective teacher will draw question paper of concerned section.
- (ii) The departmental committee with consent of dean of the faculty may moderate the question paper if necessary.

#### **(b) Assessment of Answer Scripts**

The answer scripts of the Theory Examination (course work) will be assessed by the respective subject teacher. The award lists should be submitted to Director (PGS) (if needed) for scrutiny in order to avoid any discrepancy in the subjects of same semester.

### **1.24 Scanning of Result**

- (i) A committee comprising of the Dean of the concerned Faculty, the Chairman of the concerned Department, Director (PGS) and the concerned teacher of the subject/HoD/Coordinator who if necessary, for reasons of checking the quality and consistency of assessment of answer scripts, would at random re-assess atleast 15% of the scripts and in case gross discrepancy is detected, the Committee shall be empowered to take appropriate action with approval of the Vice Chancellor.



- (ii) Prior to sending ledgers of the results of Regular / Supplementary Examination to the Vice Chancellor for his/her signature, the overall tabulated and checked ledgers shall be pursued and rescanned by the Dean of concerned Faculty and the Chairman of concerned Department/Director (PGS).

**1.25 Passing Examinations**

- (i) A candidate having passed all the Heads with minimum CGPA equal to 2.5 shall be declared "PASS" or otherwise.
- (ii) A candidate having passed all the Heads of with overall minimum CGPA of 3.0 will be eligible to conduct research work under the approved supervisor/co-supervisor from the department where he/she is enrolled as student.
- (iii) The selection of supervisor should meet the HEC-prescribed criterion for research supervisor.
- (iv) All such candidates who passed all the heads of all the semesters but failed to secure CGPA equal to 3.0 will be entitled for improvement of grades only once. No candidate failing in any head(s) will be allowed to improve grades of passed subjects.
- (v) Also, those candidates who failed in any head(s) of first to third semester of Master's Degree Program will be entitled only once to appear in supplementary examination after the declaration of 3<sup>rd</sup> semester result. These candidates will not be having any chance to improve the grades further. The expenditures to be incurred on their examination shall be borne by the applicant(s).
- (vi) A candidate who fails in any head(s) even after special chance will be disqualified for the degree and student may be awarded a diploma certificate.

**1.26 Grade Equivalent**

LETTERS VALUE	NUMERICAL MARKS	GRADE POINT
A	87 - 100	4.0
B	72-86	3 to 3.9
C	60- 71	2 to 2.9
F	Below - 60	0

Marks	GP	Marks	GP
60.0	2.0	72.0	3.0
61.5	2.1	73.5	3.1
63.0	2.2	75.0	3.2
64.5	2.3	76.5	3.3
66.0	2.5	78.0	3.4
67.5	2.6	79.5	3.5
69.0	2.7	81.0	3.6
70.5	2.8	82.5	3.7
		84.0	3.8
		85.5	3.9
<b>Grade 'A' Marks 87 to 100:</b>			
<b>87 to 100</b>		<b>4.0</b>	

**Note:** Fraction is to be considered as a whole number. The results will be prepared on the basis of Grade Point Average (G.P.A).

### 1.27 Promotion Rules

- (i) The MS/MPhil students may be allowed for re-admission who have the gap of one year only. However the re-admission will be allowed once during the degree program. The Director, Postgraduate Studies will process the case of re-admission to ASRB for consideration and approval.
- (ii) A student will be promoted to the 2<sup>nd</sup> semester of the first year provided he/she has completed minimum attendance requirement i.e. 75% and filled up examination form and appeared in at least one of the Heads of the Final Semester examination (First Semester).
- (iii) A student will be promoted to the 3<sup>rd</sup> semester provided he / she has obtained GPA atleast to 2.5 or higher in atleast 60% Heads of 1<sup>st</sup> semester of first year in regular examination. Benefit of the fraction will be given to the student.

### 1.28 Progress of candidates

Progress of all postgraduate students will be monitored by supervisor and reported to the PGS office semesterwise

### 1.29 Conduct of the students

The conduct of the postgraduate students will be monitored by the concern Dean or discipline committee. In case of any misconduct observed or reported by class teacher, supervisor, chairman/Directorate of PGS or any other person in writing will be processed by Director Postgraduate Studies for permission to send the same to the discipline committee of the University for proper disposal.

### **1.30 Cancellation of admission**

In case if the progress of the postgraduate student is not satisfactory, the Director Postgraduate Studies will present the case to ASRB. The ASRB may issue warning to the candidate or even can cancel the admission if deems appropriate.

### **1.31 Modification / Change of Research Topic**

- (I) A candidate may within one Calendar year of the registration modify/change the topic of his / her research with the approval of the Advanced Studies and Research Board on submitting an application duly supported by the Supervisor, the Chairperson / Director, the concerned Dean and recommended by the Scrutiny Committee.
- (II) The final title of the thesis shall be approved by the Advanced Studies and Research Board not less than six months before the submission of the thesis.

### **1.32 Change of Supervisor**

- (I) In Case the candidate desires to change his/her supervisor/ guide he/she shall have to apply through his/her Chairperson / Director and the Dean concerned. The “No Objection Certificate” from the present and the proposed supervisor/guide is necessary. If the original guide is not accessible or does not respond, then the ASRB may decide the case on its own.
- (II) If the Supervisor is not satisfied with the progress of the candidate, he may at the time of recommendation through the Director / Chairperson and the Dean to the Board withdraw his supervision. The decision of the Board shall be final.

### **1.33 Award of Degree**

A student shall be awarded MPhil/MS degree only after he / she has passed the examination as prescribed in relevant sections, and successfully defended his / her research work with in stipulated time frame.

### **1.34 Final Award**

The final award list once received by the office of the Controller of Examination shall not be liable to the subsequent change.

### **1.35 Retotaling of Marks**

Retotaling of the marks shall be done on payment of prescribed fee Rs. 500/- per paper for a candidate who submits an application to the Controller of Examination, through the Director, Postgraduate Studies within two weeks from the date of announcement of result.

### **1.36 Medium of Instructions**

Instruction in all courses and laboratories are carried out in English language.

### **1.37 Modification of Regulations**

These Regulations are subject to modification by the Statutory Bodies (ASRB) and or Competent Authority of the university as may be felt appropriate in future.

### **1.38 Method of Working out G.P.**

#### **1. Credit Hours (C.H)**

One credit hour for a particular course is generally to be considered as one hour of teaching theory per week and 03 hours of practical if any

## 2. Quality Points (Q. P)

For computation of the (G. P. A), the quality point (Q. P) is first determined by multiplying the value of the grade earned by the students with the Credit Hours of the that course e.g. if a student obtain "A+" grade for a three credit hours course then his quality points will be calculated as follows

$$Q.P = 4 \times 3 = 12$$

## 3. Grade Point Average (G. P. A)

Grade Point Average is an expression for the average performance of a student in the course he / she has offered during a particular semester. This is calculated by adding the quality points of all the courses taken, divided by the total number of Credit Hours offered.

$$G.P.A = \frac{\text{Sum of Quality Points}}{\text{Sum of the Credit Hours}}$$

## 4. Cumulative Grade Point Average (C. G. P. A)

The cumulative Grade Point Average (C. G. P. A) is the expression describing the performance of a student in all semester is determined by the following way.

$$C.G.P.A = \frac{\text{Sum of all grade points Average obtained}}{\text{No. of Semester}}$$