

UNIVERSITY OF CHITTAGONG
FACULTY OF SCIENCE
ORDINANCE FOR THE DEGREE OF MASTER OF SCIENCE M.S.

1. THE NATURE OF DEGREE

The Degree of Master of Science will be awarded by the University of Chittagong under the provision of this ordinance will be called M.S and it will be a specialized degree of the subject. If there is any branch in a specific subject the name of the branch will be written in parenthesis the name of the subject.

2. DURATION OF THE PROGRAMME OF STUDY

Duration of the M.S. programme will be one academic year and shall be completed by a student in not more than 2 (two) academic years.

3. SUBJECTS

i. There shall be the following subjects in the Faculty of Science of this University;

i. Physics, ii. Chemistry; iii. Mathematics; iv. Statistics; v. Applied & Environmental Chemistry and any other subject/s as may be approved by the University Authority from time to time.

ii. BRANCHES

There shall be not more than four branches in a Department. The number of branches will be decided by the Academic Committee of the concerned Department on the basis of the diversity of the courses and the availability of sufficient numbers of branch-related qualified teachers. The courses of each branch should be independent.

4. QUALIFICATION FOR ADMISSION

The qualification for admission to the M.S. programme is four-year B.Sc. (Honours) degree obtained in the same subject from this University. The candidates who have appeared at the 4th year B.Sc. (Honours) examination may be admitted provisionally to the M.S. Programme. The confirmation of admission of such students into the M.S. Programme is subject to their passing of the B.Sc. (Honours) examination. Student who has not been admitted within two years after obtaining their four-year B.Sc (Honours) degree is not eligible for admission to this programme.

5. REGISTRATION

i. A candidate shall attain studentship of the University on admission to a programme as per rules. S/he shall be required to be registered separately with the University through such processes and on payment of such fees as determined by the University from time to time and it will be valid for two years.

ii. A student shall never take admission in more than one subject other than certificate/diploma courses. If it is so reported/found, his/her studentship and examinations, even if appeared, shall be immediately cancelled. If a student is

reported to be a full time service holder his/her registration shall be cancelled immediately if a student is reported to be a full time service holder his/her registration shall be cancelled immediately.

6. GROUPS

Each Department/branch will have two groups, i. General Group and ii. Thesis Group. Considering the facilities and the number of teachers in the subject, a limited number of students, on the basis of merit, may be taken in thesis group. Number of students and minimum CGPA (not less than 3.00) for thesis will be decided by the Academic Committee of the Department in every academic year. Students willing to undertake thesis shall apply to the Chairman through the Supervisor for approval of the Academic Committee of the concerned Department.

7. COURSE IDENTIFICATION SYSTEM

Each course shall be designated by three/four letters for the subject/discipline as decided by the concerned department followed by a three digit number starting with 5, i.e. CHEM. 501 for the first course in Chemistry, PHY. 504 for the fourth course in Physics and so on.

8. MARKS AND CORRESPONDING CREDITS

Theoretical/practical/thesis/project/sessional and viva-voce of 25, 50, 75 and 100 marks are equivalent to 1, 2, 3 and 4 credits, respectively.

9. NATURE OF COURSES AND DISTRIBUTION OF MARKS

i. The M.S. degree programme shall be carrying a total of 600 marks as distributed below:

Group	Theoretical	Practical	Thesis	Sessional + Viva-voce	Thesis Viva-voce	Credits	Total Marks	Total Credits
General	300	200	----	50+50=100	-----	12+08+04	600	24
Thesis	300	-----	150	50+50=100	50	12+06+06	600	24

ii. The M.S. degree programme shall be carrying a total of 600 marks as distributed below for Mathematics:

Group	Theoretical	Sessional+Viva-voce	Credits	Total Marks	Total Credits
General	500	50+50=100	20+04	600	24

iii. The committee of courses and studies of the concerned Department shall prepare the syllabus.

iv. The courses may be chosen from sets of choices to be determined by the Academic Committee of the concerned Department, if applicable.

v. Sessional means tutorial, terminal, class test, field works, field tour, study tour, class attendance etc.

vi. For general group, 20% of the practical marks except mathematics shall be awarded on the basis of class performance during the whole course of study evaluated by the courses teachers and the rest 80% on the basis performance in the examination.

vii. Reports of project works considered as part of practical courses shall be submitted as asked by the respective Department. These will be evaluated internally on the basis of marks allocated.

10. CLASS HOURS (45 MINUTES EACH)

Theoretical and practical courses shall be so designed as to be completed in minimum of the following class hours:

a. theoretical course of 25 marks (1 credit) in 15 class hours, 50 marks (2 credits) in 30 class hours, 75 marks (3 credit) in 45 class hours and 100 marks (4 credits) in 60 class hours.

b. practical course of 25 marks (1 credit) in 8x3 class hours, 50 marks (2 credits) in 15x3 class hours, marks (3 credits) in 20x3 class hours and 100 marks (4 credits) in 30x3 class hours.

11. DURATION OF EXAMINATION

Examinations will be held on academic year basis. Time allotted for examination, will be as follows:

a. Theoretical courses: 2 hours for 25 marks, 3 hours for 50 marks and 4 hours for 75 -100 marks.

b. practical courses: 4hours for 25 marks, 6 hours for 50 marks, 9 hours for 75 marks and 12 hours for 100 marks.

12. MEDIUM OF INSTRUCTION AND EXAMINATION

The medium of instruction and answer in the examination scripts shall be either English or Bengali. Mixing of English and Bengali in the answer script any course shall not be acceptable, except for scientific/technical terms.

13. ELIGIBILITY TO APPEAR AT THE EXAMINATIONS

i. In order to be eligible for appearing at the examination, a candidate shall be required to attend on an average not less than **70%** of the lectures. The Academic Committee of the Department may recommend marginal cases of shortage of attendance (not below **60%**) on special ground with documentary evidences. In this case, the candidate shall have to pay the requisite non-collegiate fee as determined by the University Authority as per General Rules and Regulations No. 1(viii).

ii. The course teacher shall submit the class attendance register to the Chairman of the Department before processing the examination entry forms. The Department shall verify the eligibility of the candidates and send these to the Provost of the concerned hall for necessary action.

iii. The Provost of the concerned hall shall make necessary verification of the forms and send them to the Comptroller of Accounts for necessary action.

iv. The Controller of Examinations shall issue admit card only to the eligible candidates as per rules and send these to the concerned Department and the Chairman shall distribute the same to the candidates. If the examination entry forms remain incomplete, admit cards shall not be issued. Each student shall mention his/her registration/ID number with session and previous examination roll/ID number in the entry form, if any.

14. GRADING SYSTEM

Letter grades and corresponding grade points shall be awarded as follows:

Numerical grade	Letter grade	Grade point
80% and above	A+	4.00
75% to less than 80%	A	3.75
70 % to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	D	2.00
Less than 40%	F	0.00
Incomplete/Absent	x	x

15. PASS MARKS

Course Marks	100	75	50	25
Pass Marks	40	30	20	10

16. GPA/CGPA CALCULATION

i. No credits are granted for grade less than D. Calculation of GPA (Grade Point Average) is shown in **Appendix-A**. To calculate GPA, no grades from any source other than that of the prescribed credits will be considered.

ii. In the Academic Transcript/Grade sheet, only Letter Grade (LG) corresponding Grade Points (GP), Points Secured (PS) and finally GPA, not the numerical marks, shall be shown.

17. SUBMISSION OF THESIS/PROJECT

A student shall submit thesis/project in quadruplicate within 90 days from the date of last theoretical examination. This time limit may be extended (if necessary) by the recommendation of the Academic Committee of the concerned Department. The thesis shall be examined independently by two external examiners (from another public University/Govt. Research Organisation) to be nominated by the relevant Examination Committee. One copy of thesis will be preserved in the Departmental seminar Library.

18. DEGREE REQUIREMENTS

For the M.S degree, a student shall require to fulfill the following conditions:

- i.** A student must earn a minimum GPA 2.25, failing which s/he shall be declared failed in the programme.
- ii.** A regular student must earn a minimum GP 2.00 at the thesis/project and thesis/project viva-voce examination separately, failing which s/he shall be declared failed in the programme.
- iii.** A regular student must earn a minimum GP 2.25 at the sessional viva-voce examination together, failing which s/he shall be declared failed in the programme.
- iv.** A student earning GPA 4.00 shall be awarded M.S. with distinction and citation so made the academic transcript.

19. FAILED STUDENT

- i.** If a student fails to earn required GPA, s/he will be treated as failed. The failed student shall be allowed to appear in the failed course/s with the batch that immediately follows as an irregular candidate, failing which s/he shall be dropped out of the programme.
- ii.** If a student fails to appear at the examination after depositing examination fees, shall be allowed to appear at the examination with the batch that immediately follows as an irregular candidate without readmission, failing which s/he shall be dropped out of the programme. In such case, previous marks of his/her sessional will remain valid.
- iii.** The failed student shall appear at the examination as an irregular candidate, generally as per syllabus in force without readmission. If any drastic changes in the syllabus are made, the irregular candidate shall appear at the examination in his/her original syllabus on the recommendation of the Academic Committee of the Department.
- iv.** A student failing to earn required GP in thesis/ project shall have to resubmit it and reappear at the thesis/project viva-voce examination with the immediate next batch only as an irregular candidate, failing which s/he shall be declared failed in the programme.
- v.** A student failing to earn required GP at the sessional and viva-voce examination shall have to appear at a comprehensive examination of 50 marks instead of sessional and at viva-voce examination of 50 marks with the immediate next batch only as an irregular candidate, failing which s/he shall be declared failed in the programme.

vi. A student failing to earn required GP at the thesis viva-voce examination shall have to appear at the thesis viva-voce examination with the immediate next batch only as an irregular candidate, failing which s/he shall be declared failed in the programme.

20. READMISSION

If a student fails to appear at the examination due to shortage of required percentage of class attendance or any other reason, s/he shall have to get himself/herself re-admitted as an irregular student with the batch that immediately follows on recommendation of and within the date fixed by the Academic Committee of the Department. S/he must have to fulfill the requisite class attendance for appearing at the examination as an irregular candidate.

The student shall be allowed to appear at the examination only once with the batch that immediately follows as an irregular candidate, failing which s/he shall be dropped out of the programme.

21. IMPROVEMENT OF RESULTS:

- (i) A student can also improve his/her result after the degree is awarded by appearing only once at the Examination of the course/s that r earning C , D and F grade with the immediate next batch. If a student improves his/her grade/s, the word '**Improvement**' and '**the year**' of improvement examination should be mentioned in his/her **academic transcript** and **certificate**. If such student fails to improve his/her grade/s, his/her previous grade of the same course will remain valid.
- (ii) A re-admitted student shall not be allowed to improve results under any consideration.
- (iii) No improvement shall be allowed in project/thesis/sessional/terminal/viva-voce examination.
- (iv) A student willing to cancel his/her improved results and have the previous results reinstated shall apply in this respect to the Controller of Examinations through the Chairman of the Department and the Provost of the concerned hall with necessary fees prescribed by the University Authority from time to time.
- (v) For improvement of his/her results, the student shall apply to the Chairman of the Department at least 4 weeks before the start of the next Final Examination.

22. ADMISSION OF THE EXPELLED STUDENT

i. If a student is expelled from university for any reason as the case may be, s/he shall have to get himself/herself re-admitted in Masters class for once only. Generally, the syllabus in force for the examination concerned will be applicable for such a student. If any drastic changes in the syllabus are made,

s/he shall have to appear at the examination with his/her original syllabus on the recommendation of the Academic Committee of the Department.

Appendix – A

Computation of Grade Point Average

$$\text{GPA} = \frac{(\sum PS)}{(\sum Cr)}, \text{ Where } \sum PS \text{ means Total Points Secured and } \sum Cr \text{ means Total Credits Offered.}$$

Example: GPA Calculation

Course	No of Credits	Marks (%)	Lettergrade	Grade Points	Points Secured	GPA
C-501	4	65	B+	3.25	13.00	60.00/24 = 2.50
C-502	4	43	D	2.00	2.00	
C-503	4	35	F	0.00	0.00	
C-504	4	57	B-	2.75	2.75	
C-505	4	68	A+	4.00	4.00	
C-506	4	61	B	3.00	3.00	
Total	24	-	-	-	-	