

CHOICE BASED CREDIT SYSTEM HANDBOOK

(drawn from the power and functions of the University as per the UGC approved Memorandum of Association updated from time to time in consonance with UGC deemed to be University Regulations in force at time)

DRAWN FROM THE POWER AND FUNCTIONS OF THE UNIVERSITY AS PER THE UGC APPROVED MEMORANDUM OF ASSOCIATION (MOA) UPDATED FROM TIME TO TIME IN CONSONANCE WITH UGC (DEEMED TO BE UNIVERSITY) REGULATIONS IN FORCE AT TIME

Ref-1: Updated in line with UGC Approved MoA- Registration No: 275 of and UGC [Institutions Deemed to be Universities] Regulations, 2019

Ref-2: Approved by the 42nd Board of Management in its Meeting held on 21-01-2018 (Agenda Item No 6) and updated documents are approved in the 51st Meeting of the Board of Management (Extraordinary) Meeting held on 04-07-2020 (Agenda Item No 8)

EXTRACT FROM THE BOARD OF MANAGEMENT MINUTES

Item No.8

Considered the report submitted by the Registrar based on the recommendations of various subcommittees, Policies of the University, Service Rules, and AMET Rules and Regulations are updated and submitted for the Approval of Board of Management.

RESOLVED that above report is approved and polices of the University, Service Rules and AMET Rules and Regulations as presented in here shall be effected in force suitably by the authorities of the University.

CHOICE BASED CREDIT SYSTEM (CBCS) HANDBOOK

PRELUDE

AMET deemed to be University is India's first University in Maritime Education and only University in India with membership in the International Association of Maritime Universities (IAMU) among the 37 members in the World. AMET deemed to be University is approved by the University Grants Commission (UGC) and All India Council for Technical Education (AICTE). AMET has been accredited by National Assessment and Accreditation Council (NAAC). AMET has adopted the Choice Based Credit System (CBCS) from 2015 onwards, as per the guidelines of the University Grants Commission (UGC). With reference to the AICTE model curriculum for engineering, technology and Management programmes, AMET has totally upgraded its CBCS regulations, curricula and syllabi of all programmes and other mandatory courses. This AMET CBCS Regulations 2018 (Regulation D) is applicable for the students registering from 2018-19 academic year onwards. These regulations provide an insight into the essence of CBCS system at AMET with special reference to its unique programmes.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In this Regulation, unless the context otherwise specifies:

- i. **"University"** means AMET deemed to be University, Chennai.
- ii. **"Head of the Institution"** means The Vice Chancellor.
- iii. **"Dean, Academics"** means the authority of the University who is

responsible for all academic activities for the implementation of relevant rules and regulations.

- iv. **“Controller of Examinations”** means the Authority of the University who is responsible for all activities of the Examinations of the University Departments.
- v. **“Dean, Curriculum Development”** means the Professor in-charge for the overall design, development and implementation of the curriculum.
- vi. **“Head of the Department”** means Head of the University Department concerned.
- vii. **“DGS Programme”** means the programme that follows the norms of Directorate General of Shipping, Government of India norms
- viii. **“Non- DGS Programme”** means the programme not coming under DGS but those follows the University Grants Commission norms
 - i. **“Regulation”** means a manuscript that contains the principles and standards designed to control or govern the conduct or provide direction at a more detailed level.
 - ii. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective or soft skill courses).
 - iii. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
 - iv. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.

- v. **Grade Point Average (GPA):** It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester
- vi. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters.
- vii. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F
- viii. **“Degree”** means academic award conferred upon a student on successful completion of a programme designed to achieve the defined attributes
- ix. **“Discipline”** means Branch or Specialization in UG and PG programmes, like Marine Engineering, Petroleum Engineering, Marine Biotechnology, etc
- x. **“Programme”** means Certificate/Diploma/Under Graduate/Post Graduate programme.
- xi. **“Course”** means a Theory or Laboratory subject that is normally studied in a semester, like Theory of Ships, Ship Masters Business, Marine Auxiliary Machines, Marine Food Technology etc... Including practical subjects
- xii. **“Curriculum”** means a planned sequence of Instruction for a programme. It may incorporate the planned interaction of pupils with instructional content, materials, resources, and processes for evaluating

the attainment of educational Objectives.

xiii. **“Objective”** means the specific aim of the respective course which is being tried to achieve.

xiv. **“Program Educational Objectives (PEO)”** means broad statements that describe the career and professional accomplishments that the programme is preparing the graduates to achieve.

xv. **“Program Outcome”** means narrower statements that describe what students are expected to know and be able to do by the time of graduation.

xvi. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year

xvii. **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.

xviii. **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester (provided they pass without any arrears).

2. ADMISSION PROCEDURE

Students for admission to the first semester of the

- i. Undergraduate (UG) programme shall have a PASS in Higher Secondary Examination (10 + 2) or its equivalent examinations as approved by the University.
- ii. Post Graduate (PG) programme shall have a PASS in relevant UG

programme with required eligibility

The eligibility criteria shall be as prescribed by the Academic Council of the University from time to time.

- iii. All DGS programmes shall follow the eligibility requirements of DGS All Non-DGS programmes shall follow the eligibility requirements of UGC/AICTE

Lateral entry for B.E./B.Tech., programmes is permitted for admission to the third semester by following eligibility conditions as provided in Annexure 1 and 2.

3. PROGRAMMES OFFERED

A student may be offered admission to any one of the programmes of study approved by the Academic Council of the University. List of programmes being offered by the University are provided in the University website and Prospectus.

4. STRUCTURE OF THE PROGRAMMES

Every UG/PG programme will have a curriculum with syllabi consisting of Theory and Laboratory courses that shall be categorized as Fundamental, General Engineering, Core, Professional Electives, Open Electives, Soft Skills, Employability Enhancement Courses (Internship, Project Work, Industrial Visit etc.), Extra-Curricular Activities (NSS & Club activities), Mandatory Courses (like Environmental Studies, PT and Parade, Indian Constitution, Essence of Indian Traditional knowledge) and Value Addition Courses (additional courses apart from curriculum).

5. CREDIT ASSIGNMENT

Each course is assigned certain number of credits based on the following:

contact period in a week	Credit
1 Lecture Period	1
1 Tutorial Period	1
2 Practical Periods (Laboratory/ Seminar / Project Work / etc.)	1

The Contact Periods per week for Tutorials and Practical can only be in multiples of two.

5. NUMBER OF COURSES PER SEMESTER

Generally, Six Theory courses with / without two or three Laboratory courses is assigned each semester. However, the total number of courses shall not exceed 10 for the Non – DGS programmes (excluding the extracurricular courses). For DGS Programmes, it may be higher than 10 based on the DGS norms. Soft Skill course and Employability Enhancement Course(s) such as STCW may also be included in a particular semester

6. CHOICE BASED CREDIT SYSTEM

Choice Based Credit System (CBCS) is a choice available to students to select from among a large number of courses. It may be:

- Supportive to the discipline of study
- Providing an expanded scope
- Enabling an exposure to some other discipline/domain
- Nurturing student's proficiency/skill.

Categorization of Courses

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

- i. **Humanities and Social Science (HS)** include courses such as Technical English, Employability Skills, Engineering Ethics and Human Values, Communication Skills Environmental Science and management courses.
- ii. **Basic Science (BS)** include courses such as Mathematics, Physics, Chemistry etc.
- iii. **Engineering Science (ES)** include courses such as Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Mechanical / Computer Engineering etc.
- iv. **Professional Core courses (PCC)** include the core courses relevant to the chosen specialization/ branch.
- v. **Professional Elective courses (PEC)** include the elective courses relevant to the chosen specialization/ branch.
- vi. **Open Elective Courses (OEC)** include the courses relevant to the chosen specialization / programme which a student can choose from the curriculum of other B.E. / B. Tech. /BBA /B.Com programmes and the courses offered by the Departments under the Faculty of Science and Humanities
- vii. **Employability Enhancement Courses (EEC)** includes Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training.
- viii. **Mandatory Courses (MC)** include courses in which credits are to be acquired as part of degree requirements and shall be awarded grades but shall not be part of either GPA (or) CGPA.

UG Engineering and Technology Programme

S. No.	Category	Range of Credits	Suggested Breakdown of Credits (for Total=160)
		Min	
1.	Humanities and Social Sciences (HS)	10	12*
2.	Basic Science (BS)	20	25*
3.	Engineering Sciences(ES)	20	24*
4.	Professional Core Courses (PCC)	40	48*
5.	Professional Elective Courses (PEC)	15	18*
6.	Open Elective Courses (OEC)	10	18*
7.	Employability Enhancement Courses (EEC)	15	18*
8	Mandatory Courses		(non- Credit)
Total minimum credits to be earned for completion of UG Engineering and Technology programme			160

UG BBA/B.Com. Programme

S.No	Category	Range of Credits (Min)	Suggested Breakdown of Credits (for Total=132)
1.	Core Course	66	74
2.	Elective Course	28	32
3.	Ability Enhancement Courses(AEC)	06	10
4.	Skill Enhancement Courses (SEC)	12	16
Total minimum credits to be earned for completion of UG BBA/B.Com Programme			132

PG MBA Programme

S.No.	Category	Range of Credits	Suggested Breakdown of Credits (for Total=102)
		Min	
1.	Core Courses	48	54
2.	Elective Courses	36	42
3.	Internship/ Field work	06	06
Total minimum credits to be earned for completion of PG MBA Programme			102

PG Engineering Programme

S.No.	Category	Range of Credits	Suggested Breakdown of Credits (for Total=70)
		Min	
1.	Basic Science (BS)	03	03
2.	Research Methodology and IPR	03	03
3.	Professional Core Courses (PCC)	18	20
4.	Professional Elective courses (PEC)	12	15
5.	Open Elective Courses (OEC)	03	03
6.	Internship/Dissertation	18	26
Total minimum credits to be earned for completion of PG Engineering Programme			70

PG Science Programme

S. No.	Category	Suggested Breakdown of Credits (for Total=90)
4.	Core Courses	74
5.	Elective courses	09
6.	Open Elective Courses (OEC)	04
7.	Employability Enhancement Courses (EEC)	03
Total minimum credits to be earned for completion of PG Science Programme		90

Note: B.Sc (Nautical Science) & B.E (Marine Engineering) courses follow the guidelines of Director General of Shipping

Personality and Character Development (No Credits):

Students will be encouraged to enroll in any one of the personality and character development programmes (NSS/Sports/YRC/NCC) and undergo training for about 40 hours and attend a camp for seven days. The training shall include classes on hygiene and health awareness and also training in first-aid.

- **National Service Scheme (NSS)/NCC** will have social service activities in and around the University.
- **Sports** will have sports, Games, Drills and Physical exercises.
- **Youth Red Cross (YRC)** will have activities related to social services in and around the University. The training activities will be carried out during the weekends and the camp will normally be during the vacation.

Industrial Training /Internship:

The students should undergo Industrial training/Internship for a period as specified in the Curriculum during summer / winter vacation. The training has to be undergone continuously for the entire period.

The Industrial Training / Internship is mandatory for students to complete the Programme and should earn the credit under EEC category. The credits earned will be indicated in the Grade Sheet.

Industrial Visit:

Every student is required to undergo one Industrial visit for every semester, starting from the third semester of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

Online Courses / Self Study Courses:

- The student eligibility criteria for self-Study/online courses is that the student does not have current arrears and maintains an average GPA of 7.0 and above.
- Students may be permitted to earn maximum **six credits through** online courses / Self Study courses with the approval of Head of the Department.
- Online courses completed with certificates issued by recognized agencies will be considered for credit allocation as given below

4 weeks course = 1 credit

8 weeks course = 2credit

12 weeks course = 3 credit

Additional Credits:

The credit earned for the extra-curricular activities will be reflected in the mark statement. However, it will not be considered for the calculation of CGPA. The students can choose either NSS/NCC/YRC or any other club activities to earn the credit. Several activities will be organized by the Club Coordinators at regular

intervals. The students should participate minimum of four activities in a year (*i.e.*, 2 per semester) to earn one credit. The coordinators are responsible for the evaluation process and he/she can issue participation certificate, endorsed by the Head of the Department.

Enrolment in the Courses:

Students of any programme appearing for a semester shall register themselves to the Courses pertaining to that semester (not applicable for First& Second Semester) in prescribed applications through HoD and shall be submitted to the COE before commencement of the semester/within a week time after commencement of the current semester.

Students can themselves choose their Programme Specific Electives offered in those semesters. In case of open electives students shall choose elective courses offered by other Departments but not from their parent Departments.

For courses where in students have arrears, may enroll and register at the time of arrear examinations.

Each student, shall be assigned to a mentor who shall advice and counsel the student about the details of the academic programme and the choice of courses based on the student's academic background and career objectives.

Depending on academic and non academic resources available to each programme, courses offered may vary. Students will get a chance to make their own plan of study by changing the pace with which they study (fast/normal/slow) and to opt for a faculty member of their choice.

The number of credits registered in a semester should not be less than 14 credits and can have a maximum of 30 credits for UG Engineering/ Science Programmes. The number of credits registered in a semester should not be less

than 10 credits and can have a maximum of 25 credits for PG Engineering/Management/Science Programmes.

Every student shall enroll for the courses of the succeeding semester during the current semester.

The enrollment for all the courses of the Semester will commence 10 working days prior to the last working day of the preceding semester. However, the student is allowed to register for the course, wherein the student has been stopped due to shortage of attendance in previous semester.

The Heads of the department concerned shall confirm the enrollment of students before the commencement of the respective semester.

After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn Continuous Assessment marks and appear for the End Semester Examinations.

The student shall enroll for the courses with the guidance of the Mentor. If the student wishes, the student may drop or add courses within five working days after the commencement of the concerned semester and complete the registration process duly authorized by the Mentor. Also the student is allowed to register for courses in which the student has failed earlier though he has not enrolled at the end of previous semester as abovementioned.

Flexibility to Add or Drop course:

Students have the option of registering for additional courses or dropping existing courses.

A student has to earn the minimum number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree. However, if the student wishes, he/she is permitted to earn more

than the number of credits prescribed in the curriculum. The student shall register for the project work in the pre final/final semester only.

Reappearance Registration:

If a student fails in a course, the student shall take it as an arrear. The student can retain the already earned Continuous Assessment marks for two subsequent appearances only and there after he/she will solely be assessed by End Semester Examination. If the student has failed/lack of attendance in a professional elective or an open elective course, the student may register for the same or any other professional elective or open elective course respectively in the subsequent semesters. The student who fails in any Laboratory Course shall also take it as an arrear.

Medium of Instruction:

The medium of instruction and usage is English for all Courses, Examinations, Seminar presentations and Project / Thesis / Dissertation reports.

7. DURATION OF THE PROGRAMMES

A student is normally expected to complete the 4 years UG programme in 8 Semesters but in any case not more than 8 years (16 Semesters), 3 years UG programmes in 6 Semester but in any case not more than 6 years (12 Semesters) and 2 year PG programmes in 4 Semester but in any case not more than 4 years (8 Semesters).

Each semester shall normally consist of 90 working days (including examination days). The Head of the Department shall ensure that every teacher imparts instruction as per the number of hours specified in the syllabus covering the full content of the syllabus.

The extension of period for the completion of the Programme over and above the stipulated the period mentioned in 5.1. can be made on a special

approval by the Vice Chancellor of the University besides a penal fee prescribed there for, from time to time.

8. REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION OF A COURSE

A student who has fulfilled the following conditions shall be deemed to have satisfied the attendance requirements for appearing for End Semester Examination of a particular course. Ideally every student is expected to attend all periods and earn 100% attendance from the number of teaching days for that semester.

However, for the DGS programmes, a student should secure not less than 90% attendance (out of number of teaching days) course wise taking into account the number of hours required for that course as specified in the curriculum (including Laboratory course).

For the Non DGS programmes student should secure not less than 75% attendance (out of number of teaching days) course wise taking into account the number of hours required for that course as specified in the curriculum(including Laboratory course).

A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements and has registered for examination in those courses of that semester by paying the prescribed fee.

Students of DGS programmes with more than 75% and less than 90% attendance out of number of teaching days including Laboratory courses will have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements

Students of Non- DGS programmes with more than 65% and less than 75%

attendance out of number of teaching days including Laboratory course will have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements .

Students(Non-DGS) with attendance percentage of more than 40% and less than 65% shall have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements and with due approval from the Head of the Institution with the recommendations of the Department Committee.

Students who do not satisfy stipulated attendance requirements will not be permitted to write the End-Semester Examination of that course. The students of Non-DGS programme has to re-register (re-do) in a subsequent semester when it is offered next by taking a break of study. Students of DGS programme, the period of completion of course will be extended as per DGS norms.

Student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks.

If a student indulges in malpractice in any of the examinations, the student shall face the Exam Malpractice Enquiry Committee and will be liable for punitive action the number of hours required for that course as specified in the curriculum (including Laboratory course).

A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements and has registered for examination in those courses of that semester by paying the prescribed fee.

Students of DGS programmes with more than 75% and less than 90% attendance out of number of teaching days including Laboratory courses will have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements.

Students of Non- DGS programmes with more than 65% and less than 75% attendance out of number of teaching days including Laboratory course will have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements .

Students(Non-DGS) with attendance percentage of more than 40% and less than 65% shall have to re-appear for the courses as Arrears in the subsequent semesters by fulfilling the requirements and with due approval from the Head of the Institution with the recommendations of the Department Committee.

Students who do not satisfy stipulated attendance requirements (vide clauses 7.1 to 7.6) will not be permitted to write the End-Semester Examination of that course. The students of Non-DGS programme has to re-register (re-do) in a subsequent semester when it is offered next by taking a break of study. Students of DGS programme, the period of completion of course will be extended as per DGS norms.

A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks. If a student indulges in malpractice in any of the examinations, the student shall face the Exam Malpractice Enquiry Committee and will be liable for punitive action

Assessment for laboratory courses:

Every laboratory exercise / experiment shall be evaluated based on the student performance during the laboratory class and the student's record maintained by him/her. The criteria for arriving at the Continuous Internal Assessment marks of 40 in practical examinations

1. Record Note Book	: 10 Marks
2. Observation/Class note	: 15 Marks
3. Practical Performance during classes	: 15 Marks
Total	: 40 Marks

The criteria for arriving end semester practical examination out of 60.

4. Practical examination	: 30 Marks
5. Result	: 10 Marks
6. Viva Voce	: 20 Marks
Total	: 60 Marks

The University examinations for Laboratory courses will be of 2 or 3 hours duration and shall normally be conducted between November and December for the Odd Semester and between April and May for the Even Semester.

Assessment for project work:

Project work may be assigned to a single student or to a group of students not exceeding 8 per group for DGS Programmes and 4 per group for Non-DGS Programmes. However, in PG programmes projects are to be done individually by each of the students.

The criteria for arriving at the Continuous Internal Assessment marks of 50 for the Project Works

1. Internal Review I	20
2. Internal Review II	30
Total	: 50 marks

HOD shall form a Project Review Committee where HOD is the Chairman along with two faculty members of whom, one shall be compulsorily the Project Guide/Supervisor. This Project Review Committee shall review student projects and award internal marks

The criteria for arriving at the End Semester External marks of 50 for the Project Works

1. Project Evaluation/Dissertation	30
2. Viva Voce	20
Total	: 50 marks

1. The students are expected to submit the Project Report on or before the date prescribed by the Project Review Committee.
2. The University Examination for a Project Work shall consist of evaluation of the final project report submitted by the student or students of the Project group by an external examiner followed by a Viva-Voce examination conducted separately for each student/group by a committee formed by HOD consisting of the three members i.e., One External Examiner, the Guide and HOD as Chairperson. If the project report is not submitted within the stipulated time, an extension of time up to a maximum limit of 15 days may be given (as a special case) for the submission of project work with due approval obtained from the Head of the Department.

- If the project report is not submitted even beyond the extended time then the student(s) is deemed to have failed in the Project Work and has to submit the same in the subsequent semester, when offered next, and repeat the project work again by paying prescribed fee.

Assessment for online courses:

Students may be permitted to earn credit through online courses (which are provided with certificate from known sources such as Course Era, NPTEL and other MOOC based platforms with the approval of Departmental Committee and subject to a maximum of six additional credits for the entire programme.

9. PASSING REQUIREMENTS

The Passing requirement for a student in a course is determined statistically based on the analysis of the marks obtained both in Continuous Internal Assessment (CIA) and End Semester Examinations (ESE).

Passing criteria for Under Graduate courses:

	Continuous Assessment minimum	End Semester minimum	Overall passing
Theory	NIL	45 %(27 out of 60 marks)	50 % in CIA and ESE together
Practical	NIL	50 % (13 out of 25 marks)	50 % in CIA and ESE together

*for selected specialized courses in certain programmes such as B.Sc. - Nautical Science the pass percentage differs, which is notified in the curriculum.

Passing criteria for Post Graduate courses:

	Continuous Assessment minimum	End Semester minimum	Overall passing
Theory	NIL	50 %(30 out of 60 marks)	50 % in CIA and ESE together
Practical	NIL	50 % (13 out of 25 marks)	50 % in CIA and ESE together

- If a student has failed, in a theory or practical the student may be permitted to register for the same in the subsequent semesters
- If a student fails to secure a PASS in project / mini project work, the student shall register for the course again, when offered next.

10. PROVISIONS FOR REVALUATIONS:

Students are entitled to apply for revaluation of answer scripts by paying prescribed fee. Students can also get the photocopy of the answer scripts (first valuation only) by paying prescribed fee. If the difference in marks between first and second valuation (revaluation) is more than 15 marks with change in the result, then the answer script has to undergo for third valuation.

Further, the third valuation has to be carried even though there is no change in result and the difference in marks between first and second valuation (revaluation) is more than 30 marks.

Revaluation is not permitted for laboratory course / Mini project / Project work. To appear for Laboratory arrear examination, the student should complete minimum required experiments which will be recommended by the Head of the Department.

11. AWARD OF LETTER GRADES:

Numerical weight allotted to each letter grade on a 10-point scale for UG course except for some subjects in B.Sc. Nautical Science.

Letter Grade	Grade Point	Percentage of marks
O (Outstanding)	10	100
A+(Excellent)	9.0 – 9.9	Marks \geq 90 and Marks \leq 99
A(Very Good)	8.0 – 8.9	Marks \geq 80 and Marks \leq 89
B+(Good)	7.0 – 7.9	Marks \geq 70 and Marks \leq 79
B(Above Average)	6.0 – 6.9	Marks \geq 60 and Marks \leq 69
C(Average)	5.0 – 5.9	Marks \geq 50 and Marks \leq 59
RA (Re Appear)	0.0 – 4.9	Marks <50
Ab (Absent)	0	Absent

Numerical weight allotted to each letter grade on a 10-point scale for few subjects of B.Sc. Nautical Science.

Letter Grade	Grade Point	Percentage of marks
O (Outstanding)	10	100
A+(Excellent)	9.0 – 9.9	Marks \geq 90 and Marks \leq 99
A(Very Good)	8.0 – 8.9	Marks \geq 80 and Marks \leq 89
B+(Good)	7.0 – 7.9	Marks \geq 70 and Marks \leq 79
B(Above Average)	6.0 – 6.9	Marks \geq 60 and Marks \leq 69
RA (Re-Appear)	0.0 – 3.9	Marks <40
AB (Absent)	0	

Numerical weight allotted to each letter grade on a 10-point scale for all PG courses

Letter Grade	Grade Point	Percentage of marks
O (Outstanding)	10	100
A+(Excellent)	9.0 – 9.9	Marks ≥90 and Marks ≤ 99
A(Very Good)	8.0 – 8.9	Marks ≥ 80 and Marks ≤ 89
B+(Good)	7.0 – 7.9	Marks ≥ 70 and Marks ≤ 79
B(Above Average)	6.0 – 6.9	Marks ≥ 60 and Marks ≤ 69
C(Average)	5.0 – 5.9	Marks ≥50 and Marks ≤ 59
P (Pass)	4.0 – 4.9	Marks ≥ 40 and Marks ≤ 49
RA (Re Appear)	0.0 – 4.9	Marks <50
Ab (Absent)	0	

12. CALCULATION OF GPA & CGPA

The calculation for GPA and CGPA is as follows

Sum of the multiplication of grade points by the credit of the Course

$$\text{GPA} = \frac{\text{Sum of the multiplication of grade points by the credit of the Course}}{\text{Sum of the credits of the subjects passed in a Semester}}$$

$$\text{CGPA} = \frac{\text{Sum of total semester credits x GPA}}{\text{Sum of credits of all semester}}$$

GPA and number of credits will not be displayed for students who have not cleared all the subjects.

13. ELIGIBILITY FOR THE AWARD OF DEGREE

A student shall be declared to be eligible for the award of the Under Graduate/ Post Graduate degrees provided the student has Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

14. CLASSIFICATION OF THE DEGREE AWARDED

Following classification is made during the award of the degree

Category	Requirements
First class with exemplary	CGPA of not less than 9.0 in the first appearance
First class with distinction	CGPA of not less than 7.5 but below 8.9 in the first appearance
First Class	CGPA of not less than 6.0 within the stipulated period
Second Class	CGPA below 6.0 within the stipulated period

15. BREAK OF STUDY FROM A PROGRAMME

A student is permitted to go on break of study for a maximum period of one year either as two breaks of one semester each or a single break of one year on health grounds.

The student applying for break of study to The Registrar in advance, in any case, not later than the last date of the respective semester shall submit application through the Head of the Department.

The students permitted to rejoin the programme after break of study/ prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time students rejoining in new Regulations shall apply to The Registrar through Head of the Department at the beginning of the readmitted semester itself for prescribing additional/ equivalent courses, if any, from any semester of the regulations in- force, so as to bridge the curriculum in- force and the old curriculum.

If a student has not reported to the department for a period of a semester without any intimation, the name of the student shall be deleted from the enrollment and shall be permitted to rejoin on the approval of the Registrar. The student rejoining shall apply to The Registrar through Head of the Department at the beginning of the readmitted semester itself for prescribing additional/equivalent courses, if any, from any semester of the regulations in- force, so as to bridge the curriculum in-force and the old curriculum.

16. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The University may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and Scheme of examinations through the Academic Council.

The University shall revise the regulations based on the guidelines of DGS, UGC and AICTE issued from time to time

The University has the right to implement any reforms in the above regulations and may come into force upon formal notification.