MIZORAM UNIVERSITY

Draft Regulations Governing the Credit and Grading System in Undergraduate Programmes (Constituent and Affiliated Colleges)

(Approved by Academic Council in its 28th Meeting)

I. Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters. The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students.

The Choice Based Credit System (CBCS) enables the student to obtain a degree by accumulating required number of credits prescribed for that degree. The choice based credit system provides a 'cafeteria' type approach in which the students can take courses of their choice, learning at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning. The number of credits earned by a student reflects the knowledge or skill acquired by him/ her. Each course is assigned with a fixed number of credits based on the contents to be learned. The grade points earned for each course reflects the student's proficiency in that course. The CBCS enables the students to earn credits across departments and provides flexibility in duration to complete a program of study.

II. Objectives

Introduction of Choice Based Credit System has following main objectives:

1) To promote learner centeredness in curriculum.
2) To encourage inter-disciplinarily without sacrificing the domain knowledge.
3) To promote mobility of students and help in optimizing learning.
4) To allow autonomy to the teachers with built in accountability.
5) To continuously evaluate students and help in optimizing learning.
6) To introduce transparency in the evaluation system.
7) To promote teacher-student relation and engagement.
8) To improve employability among students.

III. Applicability of Credit and Grading System

The regulation shall apply to all undergraduate programmes (regular degree) running in constituent and affiliated colleges. Skill based occupational degree (B.Voc.) is not governed by present regulation. The regulation shall not apply to programmes like L.L.B., B.Sc. – nursing, B.Ed. and other courses not specified here.

IV. Eligibility for Admission

1) Pass in the Higher Secondary (10+2) Examination or its equivalent conducted by any recognized Board of the State or Central Government. For admission in Science subjects a candidate must pass in the relevant subject(s).
2) Candidate passing with vocational courses, the equivalence may be decided by the college Principal.

V. Under Graduate Programme

1) The Under Graduate Progamme shall consist of three academic years with two semesters in each year. The first Academic year shall comprise of the first and second semesters, the second academic year- the third and fourth semesters and the third academic year- the fifth and sixth semesters.
2) The working days for each semester shall not be less than 90 excluding holidays/ sports/ examination/ semester break/ vacation, if any.
3) A candidate shall register his/her name with the University in the first semester itself.
4) A candidate can avail a maximum of 10 semesters – 5 years (in one stretch). No candidate shall be allowed to appear in any course more than three times (including regular chance), and no candidate shall be allowed to appear in any course beyond ten semester of his first admission.
5) A candidate has to earn a minimum of 140 Credits, for successful completion of under graduate degree, with a distribution of credits for different course categories as given in following **Table 1**:

VI. Definitions

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

Table 1. Course categories and distribution of Credits

S. No.	Course Category	Credits
1.	Foundation Courses (FC)	20
2.	Major Core Courses (CC)	72
3.	*Elective Core Courses (EC)	48
	Total	**140**

*In case of B.Com, elective core courses (EC) are not applicable, the credits shall be shifted to Core courses (CC).

2) **Programme:** An educational programme (B.Sc., B.A., B.COM. etc.) leading to award of a degree.
3) **Semester:** Each semester will consists of 18 weeks of academic work equivalent to 90 actual teaching days. The odd semester is scheduled from July to December and even semester from January to June.
4) **Course:** Usually referred to, as 'papers' is a component of a programme. All courses needed not carry the same weight. The course should define learning objectives and learning outcomes. A course is designed to comprise lectures/tutorials/laboratory work/field work/project work/viva/seminars/assignments/presentation etc or a combination of some of these.
5) **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit shall mean one hour of teaching (lecture or tutorial) or two hours of laboratory / practical work per week in a semester of 18 weeks.
6) **Letter Grade :** It is an index of performance of learners in a said course. Grades are denoted by O, A+, A, B+, B, C, P and F.
7) **Grade point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
8) **Credit Point :** It is product of grade point and number of credits for a course.
9) **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is a 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. It shall be expressed up to two decimal places.

10) **Cumulative Grade Point Average (CGPA):** It is overall cumulative performance of a student over all semesters. The CPA 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. It shall be expressed up to two decimal places.

11) **Grade Card:** Based on the grades earned, a grade card shall be issued to all the registered students after every semester. The grade card will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

VII. **Type of Courses**

The courses for undergraduate degree shall be of three kinds:

1) **Foundation courses (FC) :** Foundation courses are courses based upon the content that leads to knowledge enhancement and man-making education.

2) **Core Courses:** These courses are to be compulsorily studied by a student as a core requirement of programme in a said discipline of the study. It comprises of two types:

   i. **Major Core Courses (CC):** these courses belong to subject in which student receive degree with Major.

   ii. **Elective Core Courses (EC):** these courses belong to two other elective subjects opted by studied from allowed subject combinations along with a Major subject during 1st and 2nd years.

VIII. **Allowed Course Combinations:**

IX.

Table 2. Subject Combinations allowed for B.Sc. Degree

Core Subject	**ElectiveSubject-I**	**ElectiveSubject - II**
Physics	Mathematics	Chemistry/ Electronics/ Geology/ Statistics
Mathematics (B.A.)	Economics	Philosophy
Mathematics	Physics	Chemistry/ Statistics/ Electronics
Mathematics	Statistics	Economics
Chemistry	Mathematics	Physics/ Statistics
	Botany/ Biochemistry	Zoology/ Geology/ Biotechnology
Mathematics	Physics	Chemistry/ Statistics/ Electronics
Zoology	Chemistry	Botany/ Biochemistry/ Geology
Botany	Chemistry	Zoology/ Geology/ Biochemistry
Biotechnology	Chemistry	Zoology/ Botany
Geology	Physics	Mathematics/ Statistics
	Chemistry	Botany/ Zoology/ Environmental Science
Statistics	Physics	Mathematics

	Chemistry	Zoology/ Botany/ Geology
Environmental Science	Chemistry	Zoology/ Botany/ Geology

Table 3. Subject Combination allowed for B. A. Degree

Core Course	**Elective Subject- I and Elective Subject - II**	
English/ Mizo/ Hindi	Any Two	A. Education or Geography B. Economics or Philosophy or Public Administration C. History or Sociology D. Psychology or Political Science
Education/ Geography	Any Two	A. English or Hindi or Mizo B. Economics or Philosophy or Public Administration C. History or Sociology D. Psychology or Political Science
History or Sociology	Any Two	A. Education or Geography B. Economics or Philosophy or Public Administration C. English or Hindi D. Psychology or Political Science
Political Science/ Psychology	Any Two	A. Education or Geography B. Economics or Philosophy or Public Administration C. History or Sociology D. English or Mizo or Hindi
Economics/ Philosophy/ Public Administration	Any Two	A. Education or Geography B. English or Mizo or Hindi C. History or Sociology D. Psychology or Political Science

* BOS and School Boards will revise subject combination time to time.

X. Curriculum Structure for a UG Programme

I. Each UG programme shall be designed as 140-credit, full-time undergraduate degree programme delivered in six (06) semesters.

II. Each course of a programme must be unitized (usually four) by concerned BOS.

III. Each programme shall be structured with a common core curriculum that lays the foundation, and a wide set of electives based on student's choice.

IV. Irrespective of discipline, each UG programme shall be a suitable mix of four types of courses as given below in Table 4 :

V. Up to second year (i.e. I, II, III and IVth semester) there shall be no categorization as core and elective. At the time of admission to Vth semester students shall identified one subject as Major Core Course. Accordingly other two subjects shall be designated as Elective Core Course 1 and Elective Core Course 2.

XI. B. Sc course structure and credit distribution

Semester	Course	Course No.	Category	Credit	Marks		
					Contin. Assessment	End-semester	Total
I	English- I	Course I	FC	5	25	75	100
	Elective Core Subject 1	Course I- Theory	EC	4	25	75	100
		Course II- Practical	EC	2	25	75	100
	Elective Core Subject 2	Course I- Theory	EC	4	25	75	100
		Course II- Practical	EC	2	25	75	100
	Elective Core Subject 3	Course I- Theory	EC	4	25	75	100
		Course II- Practical	EC	2	25	75	100
	Total			**23**	**175**	**525**	**700**
II	English- II	Course II	FC	5	25	75	100
	Elective Core Subject 1	Course III- Theory	EC	4	25	75	100
		Course IV- Practical	EC	2	25	75	100
	Elective Core Subject 2	Course III- Theory	EC	4	25	75	100
		Course IV- Practical	EC	2	25	75	100
	Elective Core Subject 3	Course III- Theory	EC	4	25	75	100
		Course IV- Practical	EC	2	25	75	100
			Total	**23**	**175**	**525**	**700**
III	History of Science	Course I	FC	5	25	75	100
	Elective Core Subject 1	Course V- Theory	EC	4	25	75	100
		Course VI- Practical	EC	2	25	75	100
	Elective Core Subject 2	Course V- Theory	EC	4	25	75	100
		Course VI- Practical	EC	2	25	75	100
	Elective Core Subject 3	Course V- Theory	EC	4	25	75	100
		Course VI- Practical	EC	2	25	75	100
			Total	**23**	**175**	**525**	**700**
IV	Environmental Studies	Course I	FC	5	25	75	100
	Elective Core Subject 1	Course VII- Theory	EC	4	25	75	100
		Course VIII- Practical	EC	2	25	75	100
	Elective Core	Course VII- Theory	EC	4	25	75	100

	Subject 2	Course VIII- Practical	EC	2	25	75	100
	Elective Core Subject 3	Course VII- Theory	EC	4	25	75	100
		Course VIII- Practical	EC	2	25	75	100
			Total	**23**	**175**	**525**	**700**
V	Major Core Subject	Course IX- Theory	CC	4	25	75	100
		Course X-Practical	CC	2	25	75	100
	Major Core Subject	Course XI-Theory	CC	4	25	75	100
		Course XII- Practical	CC	2	25	75	100
	Major Core Subject	Course XIII- Theory	CC	4	25	75	100
		Course XIV- Practical	CC	2	25	75	100
	Major Core Subject (Optional A or B)	Course XV- Theory	CC	4	25	75	100
		Course XVI- Practical	CC	2	25	75	100
			Total	**24**	**200**	**600**	**800**
VI	Major Core Subject	Course XVII- Theory	CC	4	25	75	100
		Course XVIII-Practical	CC	2	25	75	100
	Major Core Subject	Course XIX- Theory	CC	4	25	75	100
		Course XX- Practical	CC	2	25	75	100
	Major Core Subject	Course XXI- Theory	CC	4	25	75	100
		Course XXII-Practical	CC	2	25	75	100
	Major Core Subject (Optional A or B)	Course XXIII- Theory	CC	4	25	75	100
		Course XXIV- Practical	CC	2	25	75	100
			Total	**24**	**200**	**600**	**800**
Entire Programme			**Total**	**140**	**1100**	**3300**	**4400**

Note: Disciplines like Mathematics, where there is no practical, the credits assigned for practical will be added to theory course.

B. A. Course structure

Semester	Course	Course No.	Category	Credit	Marks		
					Continuous	End-semester	Total
I	English-I	Course I	FC	5	25	75	100
	Elective Core Subject 1	Course I	EC	6	25	75	100
	Elective Core Subject 2	Course I	EC	6	25	75	100
	Elective Core Subject 3	Course I	EC	6	25	75	100
	Total			**23**	**100**	**300**	**400**
II	English-II	Course II	FC	5	25	75	100
	Elective Core Subject 1	Course II	CC	6	25	75	100
	Elective Core Subject 2	Course II	EC	6	25	75	100
	Elective Core Subject 3	Course II	EC	6	25	75	100
			Total	**23**	**100**	**300**	**400**
III	MIL (ALT English/Mizo/Hindi)	Course I	FC	5	25	75	100
	Elective Core Subject 1	Course III	EC	6	25	75	100
	Elective Core Subject 2	Course III	EC	6	25	75	100
	Elective Core Subject 3	Course III	EC	6	25	75	100
			Total	**23**	**100**	**300**	**400**
IV	Environmental Studies	Course I	FC	5	25	75	100
	Elective Core Subject	Course IV	EC	6	25	75	100
	Elective Core Subject 1	Course IV	EC	6	25	75	100
	Elective Core Subject 2	Course IV	EC	6	25	75	100
			Total	**23**	**100**	**300**	**400**
V	Major Core Subject	Course V	CC	6	25	75	100
	Major Core Subject	Course VI	CC	6	25	75	100
	Major Core Subject	Course VII	CC	6	25	75	100
	Major Core Subject (Optional A or B)	Course VIII	CC	6	25	75	100
			Total	**24**	**100**	**300**	**400**
VI	Major Core Subject	Course IX	CC	6	25	75	100
	Major Core Subject	Course X	CC	6	25	75	100
	Major Core Subject	Course XI	CC	6	25	75	100
	Major Core Subject (Optional A or B)	Course XII	CC	6	25	75	100
			Total	**24**	**100**	**300**	**400**
Entire Programme			**Total**	**140**	**600**	**1800**	**2400**

CC: Major Core Course; EC: Elective Core Course; FC: Foundation Course;

Examination and Assessment

Each course, shall be evaluated at the scale of 100. For all courses, irrespective of theory and practical, there shall be continuous internal assessment carrying 25 marks and an end-semester examination carrying 75 marks.

1) **Continuous Assessment:**

The outline for continuous assessment activities shall be proposed by the teacher(s) concerned before the commencement of the semester. Some suggested parameters of Continuous Assessment are class tests, seminar, quiz, home assignments, project, and many other methods. However, there shall be series of tests at regular intervals for each course (paper) incorporating various parameters as given above. Final marks shall be calculated for total 25 Marks.

The scheme of awarding marks in internal assessment for theory courses shall be as below:

Component	Total marks
Class Tests (Best two out of three)	12 marks
Assignment/seminar/project etc.	8 Marks
Regularity in the class	5 Marks

The scheme of awarding marks in internal assessment for practical courses shall be as given below:

Evaluation in the lab and record	8 marks
End-semester test	12 Marks
Regularity in the class	5 Marks

Attendance evaluation for each course shall be as given in below:

Attendance	**Marks**
90% and above	5
85 to 89.9%	4
80 to 84.9%	3
76 to 79.9%	2
75 to 75.9%	1

2) **The End-semester Examination**

For each Course (separately for theory and practical) end-semester examination shall be conducted for 75 marks each. Finally the marks obtained in internal assessment and end-semester examination in each course shall be pooled and the % marks obtained shall be calculated by the Examination Department.

Pattern of questions for theory and practical examination

Duration of theory and practical examination will be 3 hrs. The question paper will be set covering all units/ sections.

The pattern of questions for theory papers and practicals will be as given in Table 4 and Table 5 respectively:

Table 4: Pattern of questions for theory paper.

Section	**Total No. of Questions**	**No. of questions to be answered**	**Marks for Each Question**	**Total Marks**
A. Objective/ multiple Choice	10 (two questions from each unit)	10	1.5	15
B. Short notes	10 (two questions from each unit)	5 (one from each unit)	4	20
C. Descriptive (one out of two questions from each unit)	10 (two questions from each unit)	5 (one from each unit)	8	40
			Total	**75**

Table 5: Pattern of questions for Practical paper.

The pattern of questions for practical papers will be as given in Table:

Q.1. Major Experiment (01)	Principle/ Theory	5
	Procedure/Performing of the experiment/Dissections	15
	Results and discussion	10
Q. 2. Minor Experiment (01)	Principle/ Theory	5
	Procedure and implementation	10
	Result	5
Q. 3.	Spotting (05)	10
Q.. 4	Viva-voce	10
Q. 5.	Record/ File/ Herbarium	5
	Total	**75**

XII. Minimum marks for passing of a course and passing rules

1) A minimum of 140 Credits are required for awarding of B.Sc./ B.Com and B.A degree.
2) For passing of each course a candidate must secure a minimum of 50% marks (equivalent Grade ‘B’) in end semester examination. For internal assessment there shall be no passing marks. However, grading shall be based on marks obtained in both components i.e. internal assessment and end semester examination.
3) A student, who has not secured above marks, has to appear in end semester examination.

4) In any case a student shall not be allowed to repeat a course for internal assessment component.
5) A candidate shall be permitted to proceed from the first semester up to final semester irrespective of his/her failure in any of the semester examination subject to condition that the candidate shall appear for all the arrear papers of each course(s) along with the concerned semester examinations.
6) No candidate shall be allowed to appear in any course more than three times (including the regular chance), and no candidate shall be allowed to appear in any course beyond ten semesters of his/her first admission.

XIII. Attendance

A candidate shall be eligible to appear in the end-semester examination only if he/ she attend a minimum of 75% attendance as per University ordinance.

XIV. Grading

1) Each course (paper) shall be graded on the basis of marks obtained (on scaled marks of 100) during a semester.

2) **Letter Grades and Grade Points:** There shall be absolute grading where marks obtained (out of 100) by a student in a course is converted to a Grade on a 10-point scale as given in Table 6:

Table 6: Marks to grade conversion

Marks (%)	Letter Grade	Grade Points
89.5-100	O (Outstanding)	10
79.5-89.4	A+ (Excellent)	9
69.5-79.4	A (Very Good)	8
59.5-69.4	B+ (Good)	7
49.5-59.4	B (Pass)	6
0-49.4	F (Fail)	0
	Ab (Absent)	0

3) Computation of SGPA and CGPA

Following procedure shall be adopted for the calculation of SGPA and CGPA.

1) The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$\boldsymbol{SGPA}(Si) = \sum C_i x G_i \,/\, \sum C_i$ Where, Si is the SGPA of the semester, C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course.

2) The CGPA shall be calculated in the same manner taking in to account all the courses undergone by a student over all the semester of a programme, i.e

$CGPA = \sum C_i x S_i / \sum C_i$ Where, Si is SGPA of i^{th} semester, and C_i is the total number of credits in that semester.

3) The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.

XV. **The classification of the results**

The Final Grade Point (FGP) to award to the student shall be based on CGPA secured by candidate as tabulated below:

CGPA	**DIVISION**
CGPA < 5	Failed
5 ≤ CGPA < 6.5	Second Class
6.5 ≤ CGPA < 8	First Class
8 ≤ CGPA ≤ 10	Distinction

XVI. Following formula shall be used for conversion of CGPA to % of marks:

% Marks = [CGPA x 10]

XVII. Transitory Provisions

Notwithstanding anything contained in these regulations, the Vice-Chancellor has the power to provide by order that these regulations shall be applied to any program with such necessarymodification.

(S. K. Mehta)

Chairman, CBCS (UG) Committee

Enclo.Annexure I.

Annexure I

Illustration of Computation of *SGPA* and *CGPA* and Format for transcripts

Illustration for SGPA:

Course	**Credit (C)**	**Grade Letter**	**Grade Point (P)**	**Credit Point (CxP)**
Course 1	3	A	8	3x8= 24
Course 2	4	B+	7	4x7= 28
Course 3	3	B	6	3x6= 18
Course 4	3	O	10	3x10= 30
Course 5	3	C	5	3x5= 15
Course 6	4	B	6	4x6= 24
	20			139

Thus SGPA shall be 139/20= 6.95.

Illustration of CGPA

I Semester	**II Semester**	**III Semester**	**IV Semester**
Credit : 20 SGPA : 6.9	Credit : 22 SGPA : 7.8	Credit : 25 SGPA : 5.6	Credit : 26 SGPA : 6.0
V Semester	**VI Semester**		
Credit : 26 SGPA : 6.3	Credit : 25 SGPA : 8.0		

Thus, CGPA = $\frac{20x6.9 + 22x7.8 + 25x5.6 + 26x6.0 + 26x6.3 + 25x8}{144} = 6.73$

i. **The F grade is 'fail' grade**. A student has to appear at subsequent examination(s). For a course if F grade is awarded, Credit points shall not be calculated. Accordingly, for a particular semester

SGPA shall not be calculated unless all courses are above F grade. CGPA shall not be awarded unless each course of all semesters (I to VI semester) are graded C or above.

ii. The CGPA is cumulative and not average of SGPA of four semesters. CGPA shall be calculated considering grade points and credits of all semesters i.e. I, II, III, IV, V and VI semesters.

iii. In first semester CGPA = SGPA, but second semester onwards it depends on total cumulative credits a student has earned.

(S. K. MEHTA)

CHAIRMAN, CBCS (UG) COMMITTEE