

## CREDIT AND GRADING SYSTEM

*“Credit defines the quantum of content/syllabus prescribed for a course and determines the number of hours of instruction required”*

The College resolved to implement Credit/Grade system w.e.f 2007-08 admitted batch of students in all degree programmes with the following guidelines keeping in view the present semester system and the direction of Andhra university, Visakhapatnam vide letter no.L II(Supdt.)Auto. Colleges (UG)/2007 dated 08-08-2007.

### **Objectives:**

- All the degree programmes consists of 120 credits for academic achievement.
- Out of 120 credits, 30 credits are allotted to Part –I Foundation courses comprising English, Second Language and General Education Courses such as IHC, SC, ES, Contemporary India, OAT, CS, ITC, and Science Technology. Remaining 90 credits are allotted for Part-II core subjects.
- The theory allocation and work load for degree programmes is as follows:

2 hours/week	1 Credit
2-3 hours/week	2 credits
4-5 hours/week	3 Credits
6-7 hours/week	4 Credits

- For all theory and Practical courses 25% of marks are allotted for internal assessment and the remaining 75% of marks are allotted for external evaluation for the academic year 2007-08 onwards.
- Practical examinations are to be conducted at the year-end for 75 marks with 2 examiners with one of them may be external examiners.
- Internal assessment for practical courses is in form of a test for 25 marks.
- There is no pass minimum for internal assessment.
- 35% is the pass minimum for external examination i.e. 26/75.
- A student shall be declared to have the passed the examination in a subject if he/she gets a minimum of 35% of marks in the sum of internal assessment marks and semester end examination marks.

- Grades shall be awarded on the basis of marks secured on a 6 point scale as indicated below

Grade	Explanation	% of Aggregate Marks	Grade Point
O	Outstanding	85 and above	10
A	Very Good	75-84	9
B	Good	66-74	8
C	Average	57-65	7
D	Pass	47-56	6
E	Pass	35-46	5
F	Fail	<35	0

10 extra credits may be awarded to the students for co-curricular and extra achievements to the following guidelines.

S.No.	Activity	Credits
1	NCC-B Certificate/National Camp participation	1
2	NSS Camp Participation	1
3	Charity/Blood Donation(twice)	1
4	Sports/Games at University/State/National Participation	1
5	Cultural Activities (University/State/National Participation	1
6	More than 90% attendance in all three years (Different Stages)	3

7	Project work other than Course Work)	1
8	Certificate course	1

## **CALCULATION OF CGPA AND SGPA**

Cumulative performance of all the semesters together will reflect performance in the whole programme and it is known as Semester Grade Point Average (SGPA), Cumulative Grade Point Average (CGPA) respectively. Thus SGPA/CGPA are the real indicators of a students' performance of the programme. CGPA is computed as the ratio of total credits points secured by a student in various courses in all semesters and sum of the total credits of all courses in all semesters. SGPA, CGPA may be computed up to two decimal places.

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

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

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where  $C_i$  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.

The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

where  $S_i$  is the SGPA of the  $i$ th semester and  $C_i$  is the total number of credits in that semester.

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

Illustration of Computation of SGPA and CGPA and Format for Transcripts

### Illustration for SGPA

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	3	A	9	3 X 9 = 27
Course 2	4	B	8	4 X 8 = 32
Course 3	3	C	7	3 X 7 = 21
Course 4	3	O	10	3 X 10 = 30
Course 5	3	D	6	3 X 6 = 18
Course 6	4	E	5	4 X 5 = 20
	20			148

Thus,  $SGPA = 148/20 = 7.4$

### Illustration for CGPA

Semester 1	Semester 2	Semester 3
Credit : 20 SGPA:6.9	Credit : 22 SGPA:7.8	Credit : 25 SGPA: 5.6
Semester 4	Semester 5	Semester 6
Credit : 26 SGPA:6.0	Credit : 26 SGPA:6.3	Credit : 25 SGPA: 8.0

Thus,  $CGPA = \frac{20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0}{148} = 6.73$