

ATTAINMENT OF COURSE OUTCOME AND PROGRAMME SPECIFIC OUTCOME COURSE OUTCOME AND PROGRAMME OUTCOME

St Aloysius College (Autonomous) adopts Benjamin Bloom's Taxonomy in incorporating desired course outcome(s) at the end of each study period during which the course is being offered to students of various disciplines. Bloom's Taxonomy is a classification of various evaluation objectives and capabilities that teachers set for their students (aka learning objectives). The following 6 levels proposed by Bloom are being used to structure the learning objectives, lessons, and assessments of each course:

1. Remembering
2. Understanding
3. Applying
4. Analyzing
5. Evaluating
6. Creating

To effectively incorporate this as an institute-wide practise, the College has adopted the Outcome-Based Education. In each department, the Learning outcomes are developed keeping in mind measurability and stated using active verbs (Bloom's taxonomy) following which a multipronged teaching-learning methodology is established to offer courses which involves chalk-and-talk lectures, lab practical, workshops, conferences and seminars/webinars using ICT enabled tools and techniques. In order to achieve the framed course outcomes, the college adopts following methods in line with the learning objectives proposed by Bloom.

Criteria for Assessment of Course Outcome

The performance of the students is further assessed based on the following criteria:

Table 2.6.2.1: Assessment for UG: Method

Component	Maximum Marks		Maximum Weightage %
	Assessed	Awarded	
CIA Test 1	50	50	15
CIA Test 2	50	50	15
Component 3a	5	5	10
Component 3b	5	5	10
Semester	100	100	50

Table 2.6.2.2: Assessment for UG: Method

Component	Maximum Marks		Maximum Weightage %
	Assessed	Awarded	
CIA Test 1	50	50	15
CIA Test 2	50	50	15
Component 3a	10	10	10
Component 3b	12	12	10
Semester	100	100	50

Using such the above methods, appropriate weightage is given in accordance with the relevance and significance of each continuous internal assessment and end semester component that could assess the required learning outcome. The data used for evaluating individual course outcomes is obtained from the students' performance in their internal/external exams through marks through the assessment process. The scale for each student is assigned using the scale illustrated in table 2.6.3 below.

Table 2.6.3.3: Weightage by students and Scale used to assess the attainment

Weightage obtained	Scale used	Level of attainment of Outcome
0-39.99	1	Low
40-49.99	2	Lower
50-59.99	3	Moderate
60-74.99	4	High
75-100	5	Higher

The applications of course outcomes stated above are assessed through different evaluative methods. Depending on the department requirements and guidelines, the students are assessed on any two or three modes of internal assessment stated below.

1. Quiz (announced / surprise)
2. Viva voce (Individual/Group)
3. Short duration MCQ tests
4. Short answer/problem-solving tests (15-30 mins)
5. Long answer tests/essay writing (30-60 mins)
6. Guided individual/group projects (for advanced learners)
7. Lab / Field / Practical work / Case study
8. Seminar (at least once in a semester)

9. Assignment (to assess the conceptual clarity).

All the above are formulated keeping the Bloom's Taxonomy in mind to evaluate the students on the six parameters: remember, understand, apply, analyze, evaluate and create based on the learning.

Table 2.6.2.4 shows a demonstration of the calculation made for granting weightage with the UG Method.

Table 2.6.2.4: Sample Weightage allotted using UG components of learning outcome

Component	Marks		Parameters	Maximum Weightage %	Grade
	Maximum	Awarded			
CIA Test 1	50	45	$(45/50) * 15$	13.5	
CIA Test 2	50	40	$(40/50) * 15$	12.0	
Component 3a	5	3	$(3/5) * 10$	6.0	
Component 3b	5	2	$(2/5) * 10$	4.0	
Semester	100	68	$(68/100) * 50$	34.0	
				69.5	4

In the above example, the student will be assigned a score of 4 taken from Table 2.6.3. Hence, this particular student has achieved their course objective in the 'higher' category. Similarly, grades of all students in individual courses for all programs are calculated to generate a mean grade for every particular course.