

# SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER



## SESSION 2023-24

### Criterion 2: Teaching – Learning & Evaluation

2.6.2 Attainment of program outcomes and course outcomes are evaluated by the institution.

# LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)

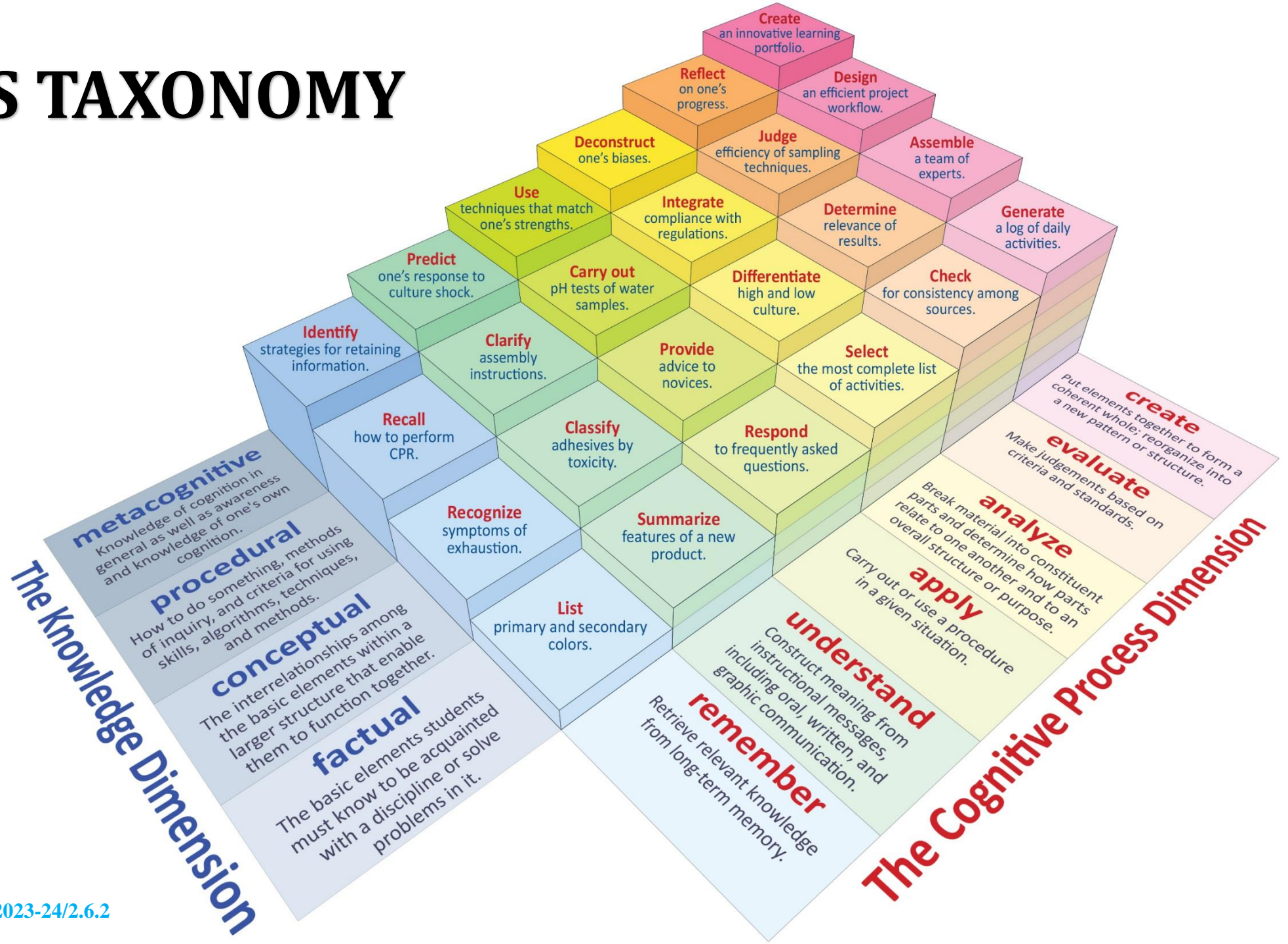
**COs-** are the statements of knowledge/ skills/ abilities that students are expected to know, understand and perform as a result of learning experiences

**POs-** are the knowledge, skills, and abilities that a student should possess upon completion of a programme

**Outcomes** must be SMART( **S**pecific, **M**easurable, **A**chievable, **R**ealistic & **T**ime bound)

**Learning Outcome-Based Education (LOBE) emphasizes on the goals (Outcomes) so as to enable each student to succeed in all walks of life**

# BLOOMS TAXONOMY



# **PROGRAMME OUTCOMES (POs)- ARTS** After the completion of the Program the student will be able to-

<b>PO-1:</b>	<b>Enhancement of knowledge &amp; understanding</b>
<b>PO-2:</b>	<b>Communication Skills &amp; Digital Literacy</b>
<b>PO-3:</b>	<b>Moral Ethical Awareness &amp; reasoning</b>
<b>PO-4:</b>	<b>Environmental Sustainability &amp; Cultural Awareness</b>
<b>PO-5:</b>	<b>Community Engagement, Social Responsibility &amp; Service</b>
<b>PO-6:</b>	<b>Critical Thinking &amp; Analytical Reasoning</b>
<b>PO-7:</b>	<b>Interdisciplinary Understanding</b>
<b>PO-8:</b>	<b>Scientific Reasoning &amp; Problem Solving</b>
<b>PO-9:</b>	<b>Lifelong Learning</b>
<b>PO-10:</b>	<b>Research Skills</b>

**Graduation  
(6)**

**Honours  
(8)**

**Post  
Graduation  
(8)**

# COURSE OUTCOMES

**Course/Learning Outcomes:** On successful completion of the Course the student will be able to:

- 1. Identify the concepts** of origin of earth and different forces of the earth and resultant processes.
- 2. Demonstrate the concepts** of earth movement and related processes.
- 3. Compare and analyze** the different cycles of landform erosion and rock types.

# PROGRAM OUTCOMES

PO-1:	Enhancement of knowledge & understanding
PO-2:	Communication Skills & Digital Literacy
PO-3:	Moral Ethical Awareness & reasoning
PO-4:	Environmental Sustainability & Cultural Awareness
PO-5:	Community Engagement, Social Responsibility & Service
PO-6:	Critical Thinking & Analytical Reasoning
PO-7:	Interdisciplinary Understanding
PO-8:	Scientific Reasoning & Problem Solving
PO-9:	Lifelong Learning
PO-10:	Research Skills



	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010
C01	3	2	-	-	3	2	2	-	2	-
C02	3	3	-	-	3	3	3	2	3	-
C03	3	3	-	-	3	1	-	3	-	-
<b>Total</b>	<b>9</b>	<b>8</b>		-	<b>9</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>5</b>	-

**MAPPING  
COs with POs**

The direct assessment methodology is adopted to calculate POs attainment of a student for the course concerned. The instinct of adopting this technique is derived from our continuous assessment methodology which is inclusive of continuous internal assessments such as internal assessment exam, assignment, Viva-voce, seminar, presentation, mini project, assignment etc., and final practical and theory examinations. Different **RUBRICS scales** are adopted at every stage of continuous assessment methodology to define the performance level of the students. Further, as the ***Bloom's Taxonomy based question papers*** are holding choice for students to opt a question of their own choice, question paper based CO attainment at different stages will not reflect actual attainment of students as there exists a scope to omit a question related to a specific CO.

Hence, to calculate PO attainment of a student from a concerned course, ***the total marks obtained by the student from all his continuous assessment tests including internal, external, practical and theory examinations are taken into account along with apportioned PO attainment contribution by the course concerned as per the formula given.***

$$\begin{array}{l}
 \text{PO} \\
 \text{ATTAINMENT} \\
 \text{of a student} \\
 \text{from a Course}
 \end{array}
 =
 \frac{
 \begin{array}{l}
 \text{PO attainment contribution} \\
 \text{of individual course impact (\%)}
 \end{array}
 \times
 \begin{array}{l}
 \text{Total marks obtained by the} \\
 \text{student in the course}
 \end{array}
 }{100}$$

# PO ATTAINMENT INDEX (POAI)

$$\text{PO ATTAINMENT of a student from a Course} = \frac{\text{PO attainment contribution of individual course impact (\%)} \times \text{Total marks obtained by the student in the course}}{100}$$

**The POAI is calculated for every student for every impact course to derive the total PO attainment, PSO wise. Lastly all scores are added to get the overall POAI score**

## Rubrics 4 at Individual student level - Threshold levels to grade students as per PO Attainment Index (POAI)

The passing minimum marks prescribed for every program varies as per the regulatory norms followed in every subject domain or faculty. In line this, the passing minimum marks (in%) prescribed for a program concerned is fixed as threshold levels to compare the students based on PO Attainment in a subject/PO Attainment Index in a program and grade them in different category as described in the following example.

In **B.A Programme**, passing minimum marks are **40% in a subject**. Hence PO Attainment in a subject/Attainment Index of this program is fixed as 40 for reaching Base level of attainment. The remaining levels are fixed as given in the following table and students are categorized as reaching Achiever level/ Advanced level/ Base level /not attained as per their attainment scores.

Attainment Level	PO Attainment in a Course/PO Attainment Index (POAI) in a Programme
Achiever level	>80
Advanced level	60-80
Base level	40-60
Not attained	<40



Enter Data  
here

## Assessment:

It is one or more processes that identify, collect, and prepare data to evaluate the achievement of Course Outcomes and Program Outcomes

PO/Course Assessment Tool Types	PO/CO Assessment Tool	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Direct Tools	Tests	✓	✓	-	-	✓	✓	✓	✓
	Assignments	✓	✓	-	-	✓	-	-	✓
	Lab/Seminar/Industrial Training/Projects (Using Rubrics)	✓	-	-	-	✓	-	-	✓
Indirect Tools	Student Satisfaction Survey	✓	✓	✓	-	✓	✓	✓	-
	Teacher's Feedback	✓	✓	✓	✓	✓	✓	✓	✓
	Alumni Feedback	-	✓	-	✓	✓	✓	-	-
	Parent's Feedback	-	-	✓	✓	-	✓	-	-
	Employer's Feedback	✓	✓	-	✓	✓	-	✓	✓

<b>Semester-I</b>		<b>Physical Geography-I (Elements of Geomorphology)</b>	
Course Code :MJGEO-101		Course Type: Major	
Course Credits: 3		Total Hours: 60	
Cross-Cutting Issue (s) Addressed		Human Values/Professional Ethics	
Need (s) catered by the Course		Local/National/Regional/Global	

<b>COs</b>	<b>Level of Blooms Taxonomy</b>	<b>Expected Skill Outcome (s)</b>	<b>Assessment</b>
CO1	Knowledge & Comprehension	Conceptual Skills	Formative & Summative
CO2	Application	Analytical & Application Skills	Formative & Summative
CO3	Analysis & Evaluation	Analytical & Critical Thinking skills	Formative & Summative

## Weightage of marks in Formative & Summative Assessment

COs	Formative Assessment	Summative Assessment
CO1	10	17
CO2	10	16
CO3	5 (CP)	17
	25	50

## Question paper Blue print for Summative Assessment

UNIT	Hours allocated	COs addressed	No/of questions & distribution of marks					
			Section A	Total Marks	Section B	Total Marks	Section C	Total Marks
I	15	CO1	4	4	1	3	1	10
II	15	CO2	3	3	1	3	1	10
III	15	CO3	3	3	1	4	1	10
		Total Marks		10		10		30
							Total Marks	50

## Formative Assessment methods

A variety of assessment methods that are appropriate to a given disciplinary/subject area and a programme of study will be used to assess progress towards the course/programme learning outcomes. Priority will be accorded to formative assessment. Progress towards achievement of learning outcomes will be assessed using the following:

- time-constrained examinations;
- closed-book and open-book tests;
- problem based assignments;
- practical assignment laboratory reports;
- observation of practical skills;
- individual project reports (case-study reports);
- team project reports;
- oral presentations,
- including seminar presentation;
- viva voce interviews;
- computerised adaptive testing;
- peer and self-assessment etc.

and any other pedagogic approaches as per the context .