



MAHATMA GANDHI UNIVERSITY, KERALA

Abstract

Bachelor of Science (Honours) Biotechnology - 2nd Semester- Modifications to the Course Outcomes, Course Outcome Number Mapping in the Course Content, Mode of Assessment and Rectification of typographical error in the Unit Number - Academic Council Resolution - Orders issued

ACA 16

No. 3116/ACA 16/2025/MGU

Priyadarsini Hills, Dated: 02.04.2025

*Read:-*1. U.O. No. 5797/AC A16/2024/MGU, dated. 27.06.2024

2. Item No: 110/7522/ACA 16-3/2025 of the minutes of the Academic Council meeting held on 25.02.2025.

ORDER

The syllabi of various Under Graduate Programmes coming under the MGU-UGP (Honours) Regulations, 2024, have been approved vide paper read as (1) above and published on the website of the university.

The Expert Committee on Biotechnology (UG), deliberated on modifying the Course Outcomes, Course Outcome Number mapping in the Course Content and Mode of Assessment and rectifying the typographical error in the Unit Number of the course MG2DSCBTG100: Applied Biotechnology, and modifying the Course Outcome Number mapping in the Course Content and Mode of Assessment of MG2MDCBTG100: Tools and Techniques in Biotechnology, in the Second Semester syllabus of **Bachelor of (Honours) Biotechnology** programme and has submitted recommendations. The Vice Chancellor, on 27.01.2025, has ordered to place the recommendations before the Academic Council for consideration.

The Academic Council meeting, vide paper read as (2) above, has resolved to approve the recommendations of the Expert Committee on Biotechnology (UG), to modify the Course Outcomes, Course Outcome Number mapping in the Course Content and Mode of Assessment and to rectify the typographical error in the Unit Number of **MG2DSCBTG100: Applied Biotechnology** and to modify the Course Outcome Number mapping in the Course Content and Mode of Assessment of **MG2MDCBTG100: Tools and Techniques in Biotechnology**, in the Second Semester syllabus of the **Bachelor of Science (Honours) Biotechnology** programme.
(Recommendations are attached as annexure)

Hence, the Course Outcomes, Course Content and Mode of Assessment of the said courses in the Second Semester syllabus of **Bachelor of Science (Honours) Biotechnology** programme stands modified to this extent.

Orders are issued accordingly.

MANOJ G

ASSISTANT REGISTRAR III
(ACADEMIC)
For REGISTRAR

Copy To

1. PS TO VC
2. PA to Registrar/CE
3. JR 2 (ADMIN)/DR 2, AR 3 (ACADEMIC)
4. JR/DR/AR (Exam)
5. Convenor, Expert Committee, Biotechnology(UG)
6. Tabulation, Academic Sections Concerned
7. AC C1/ AC C2 Sections
8. IT Cell 3/OQPM1 Sections
9. PRO/IQAC/Records Sections
10. ACTION TAKEN REPORT
11. Stock File/ File Copy

File No: 7522/AC A16-3/2025/ACA 16

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Section Officer

Annexure

Semester II

Course Name: Applied Biotechnology

Course Code: MG2DSCBTG100

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome (Modified)	Learning Domains (Modified)	PO No. (Modified)	Page No.
1	No Change			23
2	Ability to differentiate between the diverse domains of biotechnology and identify its industrial and environmental applications.	No Change	No Change	
3	Able to comprehend the opportunities in various biotechnological institutes and companies.	U	1,2,5,6	
4	Evaluate the recent advancements and products in biotechnology and its impacts on society.	A	1,2,6,8,10	
5	Able to handle laboratory wares and chemicals, prepare solutions and reagents and verify the quality of reagents.	S	1,2,3,5	
6	Deleted			

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description (Modified)	Hrs.	CO No (Modified)	Page No.
2	2.1			1	24,25
	2.2			No Change	
	2.3			No Change	
	2.4			4	
	2.5			4	

3	3.1	No Change	No Change	3	
	3.2			3	
	3.3			4	
	3.4			4	
	3.5 (Modified)			3	
4	4.1			5	
	4.2			5	
	4.3			5	
	4.4	Colorimetry/ Spectrophotometry-Demo		5	

MODE OF ASSESSMENT

A. Continuous Comprehensive Assessment (CCA)

Theory	Page No.
20+5 (for Teacher Specific Content) = 25 marks. (Modified)	25

B. End-Semester Evaluation (ESE)

1.Theory (Modified)			Page No.
Max.Marks- 50		Duration- 1.5 Hrs	25
Type of Questions	Number of questions to be answered	Marks	
One word answer	10 out of 12	10 x 2 = 20	
Short Essay	5 out of 7	5 x 4 = 20	
Essay	1 out of 2	1 x 10 = 10	

2. Practical		Page No.
Max.Marks -35	Duration- 3 Hrs (Modified)	25

Course Name: Tools and Techniques in Biotechnology
Course Code: MG2MDCBTG100

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description	Hrs.	CO No (Modified)	Page no.
1	1.3	No change	No change	4	28
	1.4			1	
2	2.4			2	
3	3.1			4	

MODE OF ASSESSMENT

A. Continuous Comprehensive Assessment (CCA)

Theory	Page No.
12+3 (for Teacher Specific Content)= 15 Marks (Modified)	29

B. End-Semester Evaluation (ESE)

1.Theory(Modified)			Page No.
Max.Marks- 35		Duration- 1Hr	29
Type of Questions	Number of questions to be answered	Marks	
One Word Answer	10 out of 12	10 x 1 = 10	
Short Essay	3 out of 5	3 x 5 = 15	
Essay	1 out of 2	1 x 10 = 10	

2. Practical	Page No.
Max.Marks-35 Duration- 2 Hrs (Modified)	29