



MAHATMA GANDHI UNIVERSITY, KERALA

Abstract

Bachelor of Science (Honours) Botany and Biotechnology (Double Major) - Third Semester - Modifications to the Course Outcomes, Course Content and Mode of Assessment - Approved - Orders Issued.

ACA 16

No. 8094/ACA 16/2025/MGU

Priyadarsini Hills, Dated: 27.08.2025

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

2. Minutes of the meeting of the Expert Committee on Biotechnology (UG).

3. Orders of the Vice Chancellor under Section 10(17), Chapter III of the Mahatma Gandhi University Act 1985, dated. 27.08.2025.

ORDER

The syllabi of various Honours 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), discussed the need to modify the Course Outcomes, Course Content and Mode of Assessment for the course MG3DSCBBT201: Cell Biology and Genetics, in the Third Semester syllabus of Bachelor of Science (Honours) Botany and Biotechnology (Double Major) programme, and has submitted recommendations vide paper read as (2) above. (Recommendations are attached as Annexure)

Considering the urgency, sanction has been accorded by the Vice Chancellor, in exercise of the powers of the Academic Council vested upon him under Section 10(17), Chapter III of the Mahatma Gandhi University Act 1985, vide paper read as (3) above, to approve the said recommendations.

Hence, the Course Outcomes, Course Content and Mode of Assessment of the said course in the Third semester syllabus of Bachelor of Science (Honours) Botany and Biotechnology (Double Major) programme stands modified to this extent.

Orders are issued accordingly.

SUDHA MENON J

ASSISTANT REGISTRAR III
(ACADEMIC)
For REGISTRAR

Copy To

1. PS to VC
2. PA to Registrar/CE
3. Convenor, Expert Committee, Biotechnology (UG)
4. JR 2 (Admin)/DR 2, AR 3 (Academic)
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File No. 83051/AC A16-3 /2025/AC A16

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Section Officer

Annexure

Semester III

Course Name: Cell Biology and Genetics

Course Code: MG3DSCBBT201

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome(Modified)	Learning Domains (Modified)	PO No. (Modified)	Page No
1	Recall the salient features of living cell and structure of cell, cell membrane and membrane transport.	No Change	No Change	78
2	Discuss the structure and function of cell organelles, cytoskeleton. Understand the cell cycle and its stages along with checkpoints.			
3	Explain the fundamentals of Mendelian laws, Population genetics, genetic disorders and aim to improve the genetic quality for human welfare		2,8,10	
4	Analyse the structure of different cell types, cell division stages, staining of mitochondria, barrbody and blood grouping.	An	5,6,7	
5	Removed			79

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description	Hrs.	CO No (Modified)	Page No
1	1.2	No Change	No Change	1	79
	1.3			1	
2	2.1			2	
	2.2			2	
	2.3			2	
	3.1			3	
	3.2			3	
	3.3			3	

3	3.4			3	80
	3.5			3	
	3.6			3	
4	4.1			4	
	4.2			4	
	4.3			4	
	4.4			4	
	4.5			4	
	5				

MODE OF ASSESSMENT (Modified)

A. Continuous Comprehensive Assessment (CCA)

Theory	Page No
20+5 (for Teacher Specific Content) = 25 Marks .	81

B. End-Semester Evaluation (ESE)

1.Theory			
Max.Marks: 50			Duration: 1.5Hrs
Type of Questions	Number of Questions to be answered	Marks	Page No
One Word Answer	10 out of 12	10 x 2 = 20	81
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	81