



MAHATMA GANDHI UNIVERSITY, KERALA

Abstract

Bachelor of Science (Honours) Zoology - Modifications to the Course Outcomes, Course Content and Mode of Assessment - Approved - Orders Issued.

ACA 16

No. 227/ACA 16/2025/MGU

Priyadarsini Hills, Dated: 10.01.2025

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

2. Minutes of the meeting of the Expert Committee on Zoology (UG), held on 04.12.2024.

3. Orders of the Vice Chancellor under Section 10(17), Chapter III of the Mahatma Gandhi University Act 1985, dated. 09.01.2025.

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 Zoology (UG), discussed the need to modify the Course Outcomes, Course Content and Mode of Assessment of DSC, MDC type courses in the **Second Semester** syllabus of Bachelor of Science (Honours) Zoology programme and has submitted recommendations vide paper read as (2) above.

(Recommendations are attached as annexure)

Considering the emergency, 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 courses in the second semester syllabus of the Bachelor of Science (Honours) Zoology programme stands modified to this extent.

Orders are issued accordingly.

SHAJI K G

ASSISTANT REGISTRAR III
(ACADEMIC)
For REGISTRAR

Copy To

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

File No. 695/AC A16-1/2025/AC A16

Forwarded / By Order

Section Officer

Annexure

SEMESTER – 2

Course Code :	MG2DSCZGY100
Course Name :	Environmental Biology

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome (Modified)	Learning Domains (Modified)	PO No. (Modified)	Page No.
1	Explain the dynamics of Ecosystem	U	<i>No Change</i>	28
4	<i>No Change</i>	An	<i>No Change</i>	
5	<i>No Change</i>	An	<i>No Change</i>	

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description (Modified)	Hrs. (Modified)	CO No. (Modified)	Page No.
1	1.2	<i>No Change</i>	<i>No Change</i>	1	29
	1.4	<i>No Change</i>	3	1	
	1.5	<i>No Change</i>	2	1	
	1.6	Removed			
	2.1	<i>No Change</i>	<i>No Change</i>	2	
	2.2	<i>No Change</i>	<i>No Change</i>	2	

2	2.3	<i>No Change</i>	<i>No Change</i>	2	29
3	3.1	<i>No Change</i>	<i>No Change</i>	3	30
	3.2	<i>No Change</i>	<i>No Change</i>	3	
	3.3	<i>No Change</i>	<i>No Change</i>	3	
	3.4	<i>No Change</i>	<i>No Change</i>	3	
	3.5	<i>No Change</i>	<i>No Change</i>	4	
	3.6	<i>No Change</i>	<i>No Change</i>	4	
4	1	Estimation of Dissolved Oxygen (Demonstration).	<i>No Change</i>	5	31
	2	<i>No Change</i>	4		
	3	Plankton identification using permanent slides & comment on adaptations.	4		
	4	Identify the Animal Interactions using appropriate pictures/diagrams	4		
	5	Removed			
	6	No Change	No Change	5	
	7	Visit to any polluted site and preparation of a detailed report (it should include observation and remedial measures). (Group Report)	10		
	8	Removed			
	9	No Change	6	5	

MODE OF ASSESSMENT

Continuous Comprehensive Assessment (CCA) (Modified)	End Semester Evaluation (ESE) (Modified)			Page No.	
<p align="center"><u>CCA (Theory)</u> (Total – 25 Marks)</p> <p align="center"><i>No Change</i></p>	<p><u>ESE (Theory)</u> (Total – 50 Marks/ Duration – 1.5 Hrs)</p>			32	
	Question Type	No. of Questions to be answered	Total Marks		
	MCQ	12 (1 mark each)	12 x 1 = 12		
	Short Questions	6 out of 8 (3 marks each)	6 x 3 = 18		
	Short Essays	4 out of 6 (5 marks each)	4 x 5 = 20		
<p><u>CCA (Practical)</u> (Total – 15 Marks)</p> <p>Lab performance, record , field report.</p>	<p align="center"><u>ESE (Practical)</u> (Total – 35 Marks/ Duration – 2 Hrs)</p> <p align="center">Record - 10 Marks</p> <p>Examination - 25 Marks : Estimation of CO₂ 8 marks./O₂ Estimation-Principle & Procedure only- 4 marks + any 2 planktons (4 marks), Spotter identification - 6 marks, Identify & comment on the Animal Interactions using photographs – 5 marks ,Viva - 2 marks , Polluted site visit report- 4 marks.</p>				

Course Code :	MG2DSCZGY101
Course Name :	Biological Basis of Behaviour-II

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome (Modified)	Learning Domains (Modified)	PO No. (Modified)	Page No.
5	To develop skills to understand and analyze genetic concepts, including inheritance patterns, genetic disorders, and molecular structures, through practical applications of genetic data and techniques.	No Change	No Change	35

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description (Modified)	Hrs. (Modified)	CO No. (Modified)	Page No.
3	3.1	No Change	No Change	3	36
	3.2	No Change	No Change	3	
	3.3	No Change	No Change	No Change	
4	1	No Change	No Change	5	
	2	No Change	No Change		
	3	No Change	No Change		
	4	No Change	No Change		

	5	No Change	No Change	5	36
	6	No Change	No Change		
	7	No Change	No Change		
	8	No Change	No Change		

MODE OF ASSESSMENT

End Semester Evaluation (ESE) (Modified)			Page No.
<u>ESE (Theory)</u>			37
(Total – 50 Marks/ Duration – 1.5 Hrs)			
Question Type	No. of Questions to be answered	Total Marks	
MCO	10 (1 mark each)	10 x 1 = 10	
Short Questions	10 out of 12 (2 marks each)	10 x 2 = 20	
Short Essays	5 out of 7 (4 marks each)	5 x 4 = 20	
<u>ESE (Practical)</u>			
(Total – 35 Marks/ Duration – 2 Hrs)			
Record – 10 Marks <u>Examination - 25 Marks :</u> <ol style="list-style-type: none"> 1. Identify and comment on the molecular composition of DNA using model – 5 Marks 2. Identify and comment on any two stages of mitosis - 2 marks 3. Identify and comment on any two - mendelian disorders/karyotype of Chromosomal disorders/normal karyotype of human - 4 Marks 4. Solve the given genetic problem - 8 Marks 5. Identify and comment on symbols in pedigree chart-2 Marks 6. Construct a pedigree chart for the given inheritance - 4 Marks 			

Course Code :	MG2MDCZGY100
Course Name :	Pet Care and Management

COURSE OUTCOMES (CO)

CO No.	Expected Course Outcome (Modified)	Learning Domains (Modified)	PO No. (Modified)	Page No.
1	<i>No Change</i>	U	<i>No Change</i>	39
3	<i>No Change</i>	A	<i>No Change</i>	
4	<i>No Change</i>	U	<i>No Change</i>	

COURSE CONTENT

Content for Classroom Transaction (Units)

Module	Units	Course Description (Modified)	Hrs. (Modified)	CO No. (Modified)	Page No.
1	1.2	<i>No Change</i>	2	3	40
	1.3	<i>No Change</i>	<i>No Change</i>	1	
	1.4	<i>No Change</i>	3	3	
	1.5	<i>Removed</i>			
2	2.1	<i>No Change</i>	<i>No Change</i>	2	
	2.3	<i>No Change</i>	<i>No Change</i>	4	
	2.4	<i>No Change</i>	<i>No Change</i>	2	
	2.5	<i>No Change</i>	<i>No Change</i>	4	

	2.6	No Change	No Change	2	41
	2.8	No Change	No Change	4	
3	1	No Change	No Change	5	
	2	No Change	No Change		
	3	No Change	No Change		
	4	No Change	No Change		
	5	No Change	No Change		
	6	No Change	No Change		

MODE OF ASSESSMENT

End Semester Evaluation (ESE) (Modified)			Page No.
<u>ESE (Theory)</u>			41
(Total – 35 Marks/ Duration – 1 Hr)			
Question Type	No. of Questions to be answered	Total Marks	
MCO	5 (1 mark each)	5 x 1 = 5	
Short Questions	5 out of 7 (2 marks each)	5 x 2 = 10	
Short Essays	4 out of 6 (5 marks each)	4 x 5 = 20	
<u>ESE (Practical)</u>			
(Total – 35 Marks/ Duration – 2 Hrs)			

Record – 10 Marks

Examination - 25 Marks :

- 1. Breed identification with reasons (6 breeds) - 12 Marks**
- 2. Parasite identification - 4 Marks,**
- 3. Composition of balanced diet for dog, cat & bird - 6 Marks**
- 4. Viva - 3 marks**
