



UNIVERSITY OF JAMMU

(NAAC ACCREDITED 'A' GRADE' UNIVERSITY)
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Academic Section

Email: academicsectionju14@gmail.com

NOTIFICATION

(23/April/Adp./11)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, is pleased to authorize the adoption of the Syllabi and Courses of Studies in the subject of **Zoology of Semester IIIrd and IVth for Four Year Under Graduate Programme (FYUGP) under the Choice Based Credit System as per NEP-2020 (as given in the annexure) for the examinations to be held in the years as per the details given below:**

Subject	Semester	For the examinations to be held in the year
Zoology	Semester-III Semester-IV	December 2023, 2024 and 2025 May 2024, 2025 and 2026

The Syllabi of the courses is also available on the University website: www.jammuuniversity.ac.in.

Sd/-

DEAN ACADEMIC AFFAIRS

No. F. Acd/II/23/1537-1567

Dated: 03/5/23

Copy for information and necessary action to:

1. Dean Faculty of Life-Science
2. HOD/Convener, Board of Studies Zoology/Sy. P.A to C.O.E.
3. All members of the Board of Studies
4. C.A. to the Controller of Examinations
5. Director, Computer Centre, University of Jammu
6. Deputy Registrar/Asst. Registrar (Conf. /Exams. UG)
7. Incharge University Website for necessary action please

Sumitashamo
Deputy Registrar (Academic) 21/5/23

TS
11/5/23

AC
11/5

M
20/4/23

University of Jammu

Syllabi of Zoology for FYUP under CBCS as per NEP-2020

SEMESTER-III

(Examination to be held in 2023, 2024, 2025)

Major Course

Course Code: UMJZOT301

Course Title: Evolutionary Biology

Credits: 04 {03(Theory) + 01(Practical)}

Total no. of lectures: Theory: 45 hours

Practical: 30 hours

Maximum Marks: 100

Theory: 75

Practical/Tutorial: 25

Major Course

Course Code: UMJZOT302

Course Title: Environmental Biology

Credits: 04 {03(Theory) + 01(Practical)}

Total no. of lectures: Theory: 45 hours

Practical: 30 hours

Maximum Marks: 100

Theory: 75

Practical/Tutorial: 25

Minor Course

Course Code: UMIZOT303

Course Title: Ecology and Environment

Credits: 04 {03(Theory) + 01(Practical)}

Total no. of lectures: Theory: 45 hours

Practical: 30 hours

Maximum Marks: 100

Theory: 75

Practical/Tutorial: 25

Multidisciplinary Course

Course Code: UMDZOT304

Course Title: Economic Zoology

Credits: 03

Total no. of lectures: Theory: 45 hours

Maximum Marks: 75

Theory: 75

Skill Enhancement Course

Course Code: USEZOT305

Course Title: Medical Genetics

Credits: 02

Total no. of lectures: Theory/Practical: 45 hours

(15 hours)/(30 hours)

Maximum Marks: 50

Theory/Practical: 50



UNIVERSITY OF JAMMU
SYLLABI AND COURSE OF STUDY IN ZOOLOGY UNDER CBCS AS
PER NEP - 2020
(For the Examination to be held in Year 2023, 2024 & 2025)
(MAJOR COURSE)
UGSEMESTER-III

MAJOR CORE COURSE NO.	:	UMJZOT301
MAJOR CORE COURSE TITLE	:	EVOLUTIONARY BIOLOGY
CREDITS	:	04{03 (Theory) + 01 (Practical)}
MAXIMUM MARKS	:	75
I) External (University Exam)	:	60
II) Internal Assessment	:	15
DURATION OF UNIVERSITY EXAM	:	03 Hours
MAXIMUM MARKS PRACTICALS	:	25
I) Continuous assessment	:	10
II) Final examination	:	15

Objectives and Expected Learning Outcomes

The course provides an introduction to the evolution and covers the basic aspects of evolutionary biology. After successfully completing this course, the students will be able to understand how the life originated on the Earth and will come to know about the various evidences related to the evolution.

UNIT I: Introduction to Evolution

(13 Hrs.)

- 1.1 Origin of life
 - 1.1.1 Biogenesis
 - 1.1.2 Abiogenesis
 - 1.1.3 Theory of Special Creation
 - 1.1.4 Biochemical Origin of Life
- 1.2 Evidences of Evolution
 - 1.2.1 Morphological Evidences
 - 1.2.2 Anatomical Evidences
 - 1.2.3 Embryological Evidences
 - 1.2.4 Paleontological Evidences

UNIT 2: Theories of Evolution

(13 Hrs.)

- 2.1 Lamarckism
- 2.2 Neo-Lamarckism
- 2.3 Darwinism

