



जम्मू केन्द्रीय विश्वविद्यालय
Central University of Jammu
राया-सुचानी (बगला), जिला: सांबा-181143, जम्मू (जम्मू और कश्मीर), भारत
Rahya-Suchani (Bagla), District- Samba, 181143, Jammu (Jammu and Kashmir), India

DEPARTMENT OF ZOOLOGY

MINUTES OF MEETING OF 11th BOARD OF STUDIES

The minutes of the meeting of the 11th Board of Studies (BOS) of the Department of Zoology, convened on Friday, December 6, 2024, at 11:00 AM in the office of the Head, Department of Zoology, are hereby documented.

Members Present:

1. Dr. Ashok Kumar Yadav (Chairperson and Head)
2. Prof. N. K. Tripathi (External Expert) (Join Online)
3. Dr. Swarkar Sharma, Associate Professor (Member)
4. Dr. Dhanananajay Kumar, Associate Professor (Member)
5. Dr. Vinita Sharma, Assistant Professor (Member)
6. Prof. Suram Singh, Dean Academic Affairs (Special Invitee)
7. Dr. Uday Pratap Singh, Associate Dean Academic Affairs (Special Invitee)
8. Dr. Anjali Dhar, Assistant Professor (Special Invitee)
9. Dr. Shvetambri Jasrotia, Assistant Professor (Special Invitee)
10. Dr. Stanzin Ladol, Assistant Professor (Special Invitee)
11. Ms. Samiksha Sharma, Student Alumni (Special Invitee) (Join Online)
12. Ms. Shalini Gupta, Student Alumni (Special Invitee) (Join Online)

The Chairperson extended a warm welcome to all the members attending the 11th meeting of the Board of Studies of the Department of Zoology. During the meeting, the Chairperson introduced the agenda items for deliberation, inviting thoughtful discussions and informed decisions. The key points and resolutions reached by the Board of Studies are outlined as follows:

Agenda No. 1

To revise and approve the course scheme as per NEP - 2020 guidelines from semester 1st to 6th of 5 Year Integrated B.Sc. (Hons)-M. Sc. in Zoology Programme w.e.f. Academic Session 2025-26.

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Course scheme of five year Integrated B.Sc. (Hons)-M. Sc. Program in Zoology of I,II,III,IV,V and VI semester as per NEP - 2020 guidelines w.e.f. Academic Session 2025-26									
Semester	Major (Core) Courses (CC) 4 credits (T-3 + P-1) each	Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each	Multidisciplinary /Open Elective Course (OEC) 4 credits each	Ability Enhancement Course (AEC) 2 credits each	Skill Enhancement Course (SEC) 4 credits each	Value Addition Course (VAC) 2 credits each	IKS 2 credits	Total Credits	
I	CC-I CC-II	DSE 1	OEC 1	AEC 1		VAC 1		20	
II	CC-III CC-IV	DSE 2	OEC 2	AEC 2		VAC 2	IKS-1	22	
III	CC-V CC-VI	DSE 3	OEC 3	AEC 3		VAC 3	IKS-2	22	
IV	CC-VII CC-VIII CC-IX	DSE 4			SEC- 1			20	
V	CC-X CC-XI CC-XII	DSE 5		AEC 4	SEC 2			22	
VI	CC-XIII CC-IV CC- XV	DSE 6			SEC 3			20	
Total	60	24	12	8	12	6	4	126	

Multidisciplinary/OEC/SEC.VAC/AEC.IKS Courses may be opted through MOOC/SWYAM platform or from the basket of the courses offered by the department/University.



 Dr. Anjali Sharma
 (Dr. Anjali Sharma)



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Course Matrix of Integrated B.Sc. (Hons)-M. Sc. in Zoology Programme as per NEP-2020 guidelines (w.e.f. Academic Session 2025-26)

Semester-I							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO1C001T	CC-I: Non-chordates	4	20	30	50	100	Notified
IZOO1C002T	CC-II: Cell Biology	4	20	30	50	100	Notified
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE-I: Animal Behaviour	4	20	30	50	100	
Multidisciplinary /Open Elective Course (OEC) 4 credits each							
-	OEC-I	4	20	30	50	100	
Ability Enhancement Course (AEC) 2 credits each							
-	AEC-I	2	10	15	25	50	
Value Addition Course (VAC) 2 credits each							
-	VAC-I	2	10	15	25	50	
Total		20				500	
Semester-II							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO1C003T	CC-III: Chordates	4	20	30	50	100	Notified
IZOO1C004T	CC-IV: Basics of Animal Physiology	4	20	30	50	100	Notified
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE-II: Parasitology	4	20	30	50	100	
Multidisciplinary /Open Elective Course (OEC) 4 credits each							
-	OEC-II	4	20	30	50	100	
Ability Enhancement Course (AEC) 2 credits each							
-	AEC-II	2	10	15	25	50	
Value Addition Course (VAC) 2 credits each and IKS of 2 credits							
-	VAC-II and IKS-I	2	10	15	25	50	
Total		22				550	

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Semester-III							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO2C001T	CC-V: Biochemistry and Molecular Biology	4	20	30	50	100	Notified
IZOO2C002T	CC-VI: Ecology	4	20	30	50	100	Notified
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE-III: Applied Zoology	4	20	30	50	100	
Multidisciplinary /Open Elective Course (OEC) 4 credits each							
-	OEC-III	4	20	30	50	100	
Ability Enhancement Course (AEC) 2 credits each							
-	AEC-III	2	10	15	25	50	
Value Addition Course (VAC) 2 credits each and IKS of two credits							
-	VAC- III and IKS-II	2	10	15	25	50	
Total		22				550	
Semester-IV							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO2C003T	CC-VII: Microbiology & Immunology	4	20	30	50	100	Notified
IZOO2C004T	CC-VIII: Animal Systematics and Taxonomy	4	20	30	50	100	Notified
-	CC-IX: Genetics	4	20	30	50	100	-
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE IV: Aquatic Biology	4	20	30	50	100	
Skill Enhancement Course (SEC) 4 credits each							
	SEC I	4	20	30	50	100	
Indian Knowledge System (IKS)							
	IKS-I	2	10	15	25	50	
Total		20				500	

Dr. Ajay Kumar
 Dr. Anjali Sharma
 Dr. Samiksha
 Dr. Vinod Sharma
 Dr. Vinod Sharma
 Dr. Vinod Sharma



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Semester-V							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO3C001T	CC-X: Forms and Function in Non-chordates	4	20	30	50	100	Notified
IZOO3C002T	CC-IX: Developmental Biology	4	20	30	50	100	Notified
-	CC-XII: Fundamentals of Endocrinology	4	20	30	50	100	-
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE-V: Livestock Management	4	20	30	50	100	-
Ability Enhancement Course (AEC) 2 credits each							
-	AEC-IV	2	10	15	25	50	
Skill Enhancement Course (SEC) 4 credits each							
-	SEC II	4	20	30	50	100	
Total		22				550	
Semester-VI							
Course Code	Course title	Credit	CIA	MSE	ESE	Max Marks	Remarks
Major (Core) Courses (CC) 4 credits (T-3 + P-1) each							
IZOO3C003T	CC-XIII: Forms and Functions in Chordates	4	20	30	50	100	Notified
-	CC-XIV: Evolutionary Biology	4	20	30	50	100	-
-	CC-XV: Biotechniques	4	20	30	50	100	-
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	DSE- VI: Wildlife Conservation Management Practices	4	20	30	50	100	-
Skill Enhancement Course (SEC) 4 credits each							
-	SEC - III	4	20	30	50	100	-
Minor Stream/ Discipline Specific Elective (DSE) 4 credits (T-3 + P-1) each							
-	SEC - I	4	20	30	50	100	-
Total		20				500	

Signature
Shalini

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Dr. Ajayali Dher
Signature
Dhruv

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Samiksha

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Vinita Sharm
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Decision of the BOS:

The revised course structure, aligned with the guidelines of the National Education Policy (NEP) 2020, for the five-Year Integrated B.Sc. (Hons)-M.Sc. Zoology Programme spanning semesters 1 to 6, was thoroughly deliberated upon. Following an in-depth examination and discussion of its components, the Board of Studies (BOS) unanimously approved the proposed scheme and course matrix.

Agenda No. 2

To introduce Major (Core) course and Minor stream/Discipline specific Elective (DSE) Course by the Department of Zoology w.e.f. Academic Session 2025-26.

Following are the new courses are proposed in addition to the existing courses.

List of the Major (Core) courses.

1. Genetics
2. Fundamentals of Endocrinology
3. Evolutionary Biology
4. Biotechniques

List of the Discipline specific Elective (DSE) courses

1. Animal Behaviour
2. Parasitology
3. Applied Zoology
4. Aquatic Biology
5. Livestock Management
6. Wildlife Conservation Management Practices

Decision of the BOS:

The newly proposed Major (Core) course and the Discipline-Specific Elective (DSE) course were thoroughly reviewed and deliberated upon during the meeting. Following an in-depth discussion and consideration of their relevance, structure, and alignment with academic objectives, the Board of Studies (BOS) unanimously approved these courses for implementation.

Agenda No. 3

To introduce Multidisciplinary/Open Elective courses (OEC) by the Department of Zoology w.e.f. Academic Session 2025-26.

List of the Multidisciplinary/Open Elective courses

1. Introduction to Non-Chordates
2. Basics of Chordates ~~Biology~~



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Decision of the BOS:

The newly proposed Multidisciplinary/Open elective courses underwent a comprehensive review and detailed deliberation during the meeting. The Board of Studies (BOS) engaged in an in-depth discussion, carefully evaluating the courses' relevance, structural design, and alignment with the institution's academic objectives and broader educational goals. After thorough consideration of these aspects and ensuring their suitability to meet the evolving academic and professional demands, the BOS reached a unanimous decision to approve these courses for implementation.

Agenda No. 4

To introduce new Skill Enhancement Course (SEC) courses and Indian Knowledge system (IKS) by the Department of Zoology w.e.f. Academic Session 2025-26.

List of Skill Enhancement Course (SEC)

1. Freshwater Function and Dynamics
2. Intellectual Property Rights
3. Livestock management

Decision of the BOS:

The newly proposed Skill Enhancement Courses (SECs) were thoroughly reviewed and extensively deliberated upon during the meeting. Associate Dean, Academic suggested for the introduction of IKS in the undergraduate program to enhance the knowledge of science of Indian history to young mind. The Board of Studies (BOS) conducted a detailed evaluation of each course, assessing their relevance to contemporary academic and industry needs, structural coherence, and alignment with the institution's educational goals. After an in-depth analysis and comprehensive discussions, the BOS unanimously approved these courses, acknowledging their potential to enrich student skill sets and improve academic outcomes.

Agenda No. 5

To revise and approve the syllabus of semesters 1st to 6th of Five-Year Integrated B.Sc. (Hons.)-M.Sc. Zoology Programme as NEP-2020 guidelines w.e.f. Academic Session 2025-26.

Decision of the BOS:

The revised course syllabus for the 1st to 6th semesters of the 5-Year Integrated B.Sc. (Hons) - M.Sc. Zoology Programme was presented for thorough review and discussion. Following an in-depth

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Dr. Ayati Dhar
Vinita Sharma
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Dr. Ayati Dhar



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deliberation on its content, structure, and alignment with academic and professional objectives, the Board of Studies (BOS) formally approved the syllabus. (Annexure I).

Agenda No. 6

To confirm the minutes of RAC/DRC held in the Department of Zoology in 2024.

Decision of the BOS:

The MoM of the RAC/DRC of the Department of Zoology were submitted for review and discussion before the Board of Studies (BOS). After thorough consideration, the BOS approved the minutes as documented (Annexure II). During the period from January 2024 to June 2024, the following Ph.D. candidates registered in the Department of Zoology presented their ongoing research work.

S.No.	Name of the Ph.D. Scholar	Enrollment No.	Name of the Supervisor	Title of Research
1.	Ms. Anchal Chib	0151819	Dr. Shvetambri Jasrotia	Morphometric and molecular characterization of some fishes of River Chenab (J&K).
2.	Mr. Tundup Gyalpo	0251819	Dr. Vinita Sharma	Mammalian diversity and prey-predator relationship of large carnivores of Zaskar Valley, UT Ladakh.
3.	Ms. Shaveta Padha	0351819	Dr. Anjali Dhar	Impact of microplastics on the aquatic entomofauna of the Jammu Region.
4.	Mr. Yogesh Sharma	0151820	Dr. Anjali Dhar	Bio-efficacy of phytochemicals against selected insect pests.
5.	Ms. Nitika Mehra	0251820	Dr. Vinita Sharma	Feeding ecology of large mammalian carnivores of district Kangra, Himachal Pradesh.
6.	Mr. Ashutosh Verma	22PZOO02	Dr. Vinita Sharma	Avian complex and ecosystem health of selected important bird area of India: Gharana Wetland Conservation Reserve.
7.	Mr. Rohit	22PZOO03	Dr. Anjali Dhar	Insect pollinators of apple and apricot from District Doda (J&K, UT).

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Agenda No. 7

To introduce Minor Degree program in Zoology for undergraduate students in other discipline.

Decision of the BOS:

The Board of Studies (BoS) has approved a Minor Degree program in Zoology for undergraduate students from other discipline. Minor stream courses provide students with an opportunity to broaden their knowledge beyond their primary field of study. To qualify for a minor in a particular discipline, students must earn a sufficient number of credits (a minimum of 20% in addition to the total credits earned) in an interdisciplinary area of study distinct from their chosen discipline.

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Prof. Suram Singh

Dr. Uday Pratap Singh

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Dr. Anjali Dhar

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Ms. Samiksha Sharma

Ms. Shalini Gupta

Dr. Stanzin Ladol

Dr. Ashok Kumar Yadav