



4Y B.Sc. (Honours) (Major in Zoology) (2025 Pattern) Programme

Minutes of the PAC Meeting held on 11.12.2024

Meeting No.: 03

Date: 11th December, 2024

Time: 3.00 pm to 5.30 pm

The PAC Meeting for 4Y B.Sc. (Honours) (Major in Zoology) (2025 Pattern) Programme as per NEP 2020 of **School of Sciences** was held online on **Wednesday, 11-12-2024 at 3:00 PM**, School meeting hall. Following members and invitees were present in person,

S.N.	Name of PAC Members	Designation
01	Dr. Chetana Kamlaskar	(Chairperson) and Member
02	Prof. Resham Bhalla	Member
03	Prof. Chetan Jawale	Member
04	Dr. Somnath Waghmare	Member
05	Mr. Ravindra Bharsat	Academic Coordinator (Zoology) and Invitee
06	Dr. Dnyaneshwar Bhusanur	Invitee
07	Dr. Bharat More	Invitee
08	Dr. Jagruti Chavan	Invitee
09	Ms. Minakshi Kadel	Invitee
10	Ms. Tejaswi Kadam	Invitee

Following members could not attend the meeting due to her other engagements.

01	Dr. Sunanda More	Member
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Dr. Chetana Kamlaskar, Chairperson and Member of the PAC first welcomed PAC members and introduced the members about the purpose of the meeting. During the meeting following items were discussed for the collective decision on the proposed content of each course in the 4 Year B.Sc. (Honours) (Major in Zoology) {2025 Pattern} programme.

SN	Details of Items	Resolution																																							
1	Agenda Item 1: To finalize and approve the credit distribution and detailed syllabus for the proposed Minor courses and VSC courses in Zoology discipline at semester 01 to 06, as per NEP2020, and their evaluation pattern.	The PAC members unanimously finalized and approved the credit distribution and proposed detailed syllabus with evaluation pattern for, 1) All Minor courses at semester 02 to 06 in the Zoology discipline, for the learners other than Zoology Major, in accordance with NEP2020 guidelines. A few suggestions regarding course sequence and content were also provided as follows: <table><tr><th>Sem</th><th colspan="3">As per Suggestions by PAC</th></tr><tr><td rowspan="4">V</td><td colspan="3">ZOO30M1: Introduction to Aquatic Biology Merge and rearrange the course content of unit 02-03 & 02-04 and new unit 02-03 with course content shall be added.</td></tr><tr><td>Unit No.</td><td>As per course structure</td><td>As per Suggestion</td></tr><tr><td>02-03</td><td>Marine Biology-I</td><td>Wetlands (New Unit)</td></tr><tr><td>02-04</td><td>Marine Biology-II</td><td>Marine Biology</td></tr><tr><td rowspan="4">VI</td><td colspan="3">ZOO30M3: General Parasitology Rearrange sequence of units within credit 02 to maintain the logical flow of the content covered. This shall also reflect in respective course lab activities.</td></tr><tr><td>Unit No.</td><td>As per course structure</td><td>As per Suggestion</td></tr><tr><td>02-01</td><td>Parasitic Protists</td><td>Parasitic Platyhelminthes</td></tr><tr><td>02-02</td><td>Parasitic Platyhelminthes</td><td>Parasitic Protists</td></tr></table> 2) VSC courses at semester 03 and 05 related to Major in Zoology. A few suggestions regarding course sequence and content were also provided as follows: <table><tr><th>Sem</th><th colspan="2">As per Suggestions by PAC</th></tr><tr><td>III</td><td colspan="2">VSC201: Apiculture To rephrase the titles of unit activities.</td></tr><tr><td>V</td><td colspan="2">VSC301: Aquarium Fish Management Rename the course title as, ‘Aquarium Management’.</td></tr></table>	Sem	As per Suggestions by PAC			V	ZOO30M1: Introduction to Aquatic Biology Merge and rearrange the course content of unit 02-03 & 02-04 and new unit 02-03 with course content shall be added.			Unit No.	As per course structure	As per Suggestion	02-03	Marine Biology-I	Wetlands (New Unit)	02-04	Marine Biology-II	Marine Biology	VI	ZOO30M3: General Parasitology Rearrange sequence of units within credit 02 to maintain the logical flow of the content covered. This shall also reflect in respective course lab activities.			Unit No.	As per course structure	As per Suggestion	02-01	Parasitic Protists	Parasitic Platyhelminthes	02-02	Parasitic Platyhelminthes	Parasitic Protists	Sem	As per Suggestions by PAC		III	VSC201: Apiculture To rephrase the titles of unit activities.		V	VSC301: Aquarium Fish Management Rename the course title as, ‘Aquarium Management’.	
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	Action Taken: The Programme structure and syllabus have been updated following the discussion in the PAC meeting. Refer Appendix I & II for the revised programme structure & syllabus.	
4	Agenda Item 2: Identification of Writers/ Editors for SLM development task	The PAC members unanimously gave their consent for the writing/editing of the Self Learning Material (SLM) for the proposed courses. They also agreed to recommend experts for the new courses, in due course of time. It was also resolved to authorize the Director of this School to enrich and update the list of writers/editors for the Self Learning Material (SLM) development task from time to time as per the University Policy decisions/norms.

Meeting ends with vote of thanks by **Mr. Ravindra K. Bharsat**

Thanks...



(Dr. Chetana Kamlaskar)

Chairperson, PAC 4Y. B.Sc. (Honours) (Major in Zoology)

APPENDIX I: PROGRAMME STRUCTURE OF VXXX: B.Sc. (HONOURS) (MAJOR, MINOR, OE, VSC, IKS AND CC COURSES IN ZOOLOGY)

{2025 PATTERN}

Abbreviations: Yr.: Year; Sem.: Semester; Cumulative Credits: Cum. Cr. ; T- Theory Course; P- Practical course; TW-Term Work; PW- Project Work

Level	Sem	Major				Minor	OE		VSC, SEC (VSEC)		AEC, VEC, IKS		OJT, FP, CEP, CC, RP		Cum. Cr. / Sem	
		Mandatory		Electives												
4-5	I	ZOO101: Animal Diversity (T)	4	-	-			OE101: Vermicomposting Management (T)	2	VSC101: Vermiculture Management (TW)	2	AEC101: English Communication -I (T)	2	CC101: Photography Techniques& Bird Watching (TW)	2	22
		ZOO102: Lab Activities on ZOO101 (P)	2					OE102: Sericulture Management (T)	2	SEC101: Basic Instrumentation Skills (TW)	2	VEC101: Environmental Education-I (T)	2			
	II	ZOO103: Comparative Anatomy & Developmental Biology of Vertebrates (T)	4	-	ZOO10M1: Animal Diversity of Invertebrates (T)	2	OE103: Poultry Management (T)	2	VSC102: Medical Laboratory Techniques (TW)	2	AEC102: English Communication -II (T)	2	CC102: Yoga (TW)			
		ZOO104: Lab Activities on ZOO103 (P)	2				OE104: Goat Farming (T)	2	SEC102: MS-Excel with AI (TW)	2	VEC102: Environmental Education-II (T)	2				
Cum. Cr.		12		00		02		08		08		10		04		44
5-0	III	ZOO201: Animal Physiology & Ecology (T)	4			ZOO20M1: Principle of Ecology (T)	2	OE201: Dairy Production & Management (T)	2	VSC201: Apiculture (P)	2	AEC201: Modern Indian Language-I (T)	2	ZOO204: Field Project (TW)	2	22
		ZOO202: Biology in Ayurveda (IKS) (T)	2			ZOO20M2: Lab Activities on ZO20M1 (P)	2							CC201: Applied Arts (TW)	2	
		ZOO203: Lab Activities on ZOO201 (P)	2													
	IV	ZOO205: Genetics & Evolutionary Biology (T)	4			ZOO20M3: Fundamentals of Cell Biology (T)	2	OE202: Nutrition, Health & Hygiene (T)	2	SEC201: Intellectual Property Rights (IPR) (T)	2	AEC202: Modern Indian Language – II (T)	2	ZOO208:(CEP201): Bee Keeping (TW)	2	22
		ZOO206: Microbiology (T)	2			ZOO20M4: Lab Activities on ZO20M3 (P)	2							CC202: Astronomy for Beginners (TW)	2	
		ZOO207: Lab Activities on ZOO205(P)	2													
Cum. Cr.		28		00		10		12		12		14		12		88

Level	Sem	Major				Minor	OE		VSC, SEC (VSEC)	AEC, VEC, IKS		OJT, FP, CEP, CC, RP		Cum. Cr. / Sem		
		Mandatory		Electives												
5-5	V	ZOO301: Mammalian Histology (T)	4	ZOO304: Techniques in Medical Forensic Zoology (T) OR ZOO305: Apiculture & Sericulture (T) OR ZOO306: Wildlife Conservation (T)	4	ZOO30M1: Introduction to Aquatic Biology (T)	2			VSC301: Aquarium Management (P)	2			ZOO307: Field Project/ ZOO308: (CEP301) Awareness of Sustainable Development Goals (TW)	2	22
		ZOO302: Marine Ecology (T)	2													
		ZOO303: Lab Activities on ZOO301(P)	4													
						ZOO30M2: Lab Activities on ZO30M1 (P)	2									
	VI	ZOO309: Pest Management & Parasitology (T)	4	ZOO312: Aquarium & Poultry Management (T) OR ZOO313: Economic Zoology(T) OR ZOO314: Biostatistics & Bioinformatics (T)	4	ZOO30M3: General Parasitology (T)	2							ZOO315: On-Job Training (TW)	4	22
		ZOO310: Welfare & Behaviour of Domesticated Animals (T)	2													
ZOO311: Lab Activities on ZOO309 (P)		4	ZOO30M4: Lab Activities on ZO30M3 (P)			2										
Cum. Cr.		48		08		18		12		14		14		18		132

Level	Sem	Major				Minor		OE		VSC, SEC (VSEC)		AEC, VEC, IKS		OJT, FP, CEP, CC, RP		Cum. Cr. / Sem		
		Mandatory		Electives														
6.0	VII	ZOO401: Biochemistry (T)		4	ZOO406: Development Biology (T) OR ZOO407: Entomology (T)		4	RES405: Research Methodology (T)		4						22		
		ZOO402: Cell Biology (T)		2														
		ZOO403: Applied Zoology Part -I (T)		4														
		ZOO404: Lab on Biochemistry, Cell Biology & Applied Zoology Part-I (P)		4														
	VIII	ZOO409: Molecular Biology (T)		4	ZOO415: Animal Biotechnology (T) OR ZOO416: Toxicology (T)		4								ZOO413: On-Job Training	4	22	
		ZOO410: Genetics (T)		2														
		ZOO411: Applied Zoology Part-II (T)		4														
		ZOO412: Lab on Molecular Biology, Genetics & Applied Zoology Part-II (P)		4														
Cum. Cr.		76			16			22		12		14		14		22		176

APPENDIX II:

SYLLABUS OF VXXX: B.Sc. (MAJOR IN ZOOLOGY) {2025 PATTERN}

Refer the syllabus file attached with this mail separate

