



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

अस्थाई शैक्षणिक खण्ड, शाहपुर, जिला काँगड़ा, हिमाचल प्रदेश – 176206

Temporary Academic Block, Shahpur, Distt. Kangra (HP) - 176206

Website: www.cuhimachal.ac.in

फाइल संख्या: जीव विज्ञान/-1-5/पाठ्य समिति/हि.प्र.के.वि./18/ 40(A)

दिनांक: 10.05.2018

MINUTES OF THE FIRST BOARD OF STUDIES MEETING HELD ON

10TH May, 2018

The meeting of the **First Board of Studies** of the **Department of Zoology**, School of Life Sciences was held on **10th May, 2018** in the **Committee Room** of Central University of Himachal Pradesh, **Temporary Academic Block, Shahpur**. Prof. Ambrish Kumar Mahajan, Head, Department of Zoology, and, Dean, School of Life Sciences welcome all the Hon'ble members and presided over the meeting.

Following members attended the meeting:

- 1. Prof. Ambrish Kumar Mahajan – Head and Convener**
Head, Department of Zoology and Dean, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Shahpur.
- 2. Prof. Nripendranath Mandal – Subject Expert**
Division of Molecular Medicine, Bose Institute, Kolkata.
- 3. Prof. Desh Raj Thakur – Subject Expert**
Department of Bio-Sciences, Himachal Pradesh University, Summer Hill, Shimla.
- 4. Dr. Vikram Singh – Vice Chancellor's Nominee**
Centre for Computational Biology and Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Shahpur.
- 5. Dr. Polamarasetty Aparoy – Vice Chancellor's Nominee**
Centre for Computational Biology and Bioinformatics, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Shahpur.
- 6. Ms. Nivedita Rana – Resource Person (Special Invitee)**
Department of Zoology, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Dehra.
- 7. Dr. Vivek Sharma – Resource Person (Special Invitee)**
Department of Zoology, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Dehra.
- 8. Dr. Rakesh Chauhan – Resource Person (Special Invitee)**
Department of Zoology, School of Life Sciences, Central University of Himachal Pradesh, Temporary Academic Block, Dehra.

Following Decision were taken in BOS meeting as per the Agenda.

Item ZOO-BOS-1/18-1: Approval of Rules of Business for the Board of Studies.

It was unanimously resolved that the draft rules of Business for the Board of Studies presented before the Board of Studies approval as “Rules of Business for the Board of Studies” which would come into effect from this day i.e. Thursday the 10th May, 2018. (**Annexure- I**)

Item ZOO-BOS-1/18-2: Approval of Courses for PG and RD Program {As per the Ordinance 4 clause 4 b(i)}.

The BOS approved the minutes of the **Curriculum Development Committee (CDC), Zoology** held on **28.08.2017 (Placed as ANNEXURE-A)** with following minor amendment(s) for the ongoing batch.

1. Some of the Courses from Course Compulsory and Course Open have been interchanged from the CDC.
2. The Course name of 3rd and 4th semester have been re-aligned from the courses approved in CDC and added new courses for the ongoing session as per Annexure-II.
3. The Practical/Lab courses have also been added in the 3rd and 4th semester as per CBCS guidelines.
4. M.Sc. Dissertation has been added for the ongoing session as per Annexure-II.
5. The Curricular Framework has been prepared as per Annexure – II for the forthcoming session.
6. The course contents to be prepared by the faculty members and will be placed in next BOS meeting for approval

Item ZOO-BOS-1/18-3: Approval of Supervisors for Research Program

BOS members recommend taking up this agenda once the Department will have research scholar.

Item ZOO-BOS-1/18-4: Approval of Examiners for conducting Practical Examination in End Term. [As per Ordinance 4 clause b(i)]. (Annexure- V)

Head Department of Zoology in consultation with the concern faculty members may add any other name to this list depending upon the situation as per need.

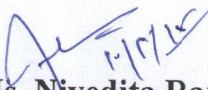
Item ZOO-BOS-1/18-5: Approval of Student's Industrial Training / Education Tours

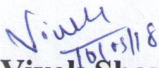
It was unanimously resolved that students may go for Industrial/Research Training in different Research/Academic Institutes like FRI, FSI, ZSI, Wild Life Institute of India etc. and Educational Tours during summer/ winter vacations.

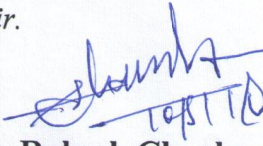
Item ZOO-BOS-1/18-6: Invited Talks/Lectures

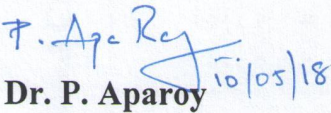
Unanimously resolved that Scientists, Professors and Eminent Scholars in the field of Zoology should be invited for delivering talks for the benefit of M.Sc. students.

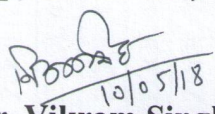
The meeting ended with a vote of thanks to the Chair.

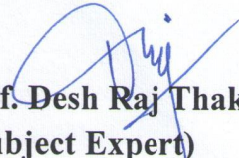

Ms. Nivedita Rana,
(Special Invitee)

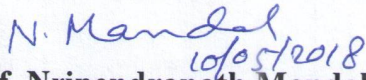

Dr. Vivek Sharma,
(Special Invitee)


Dr. Rakesh Chauhan
(Special Invitee)


Dr. P. Aparaj
(VC's Nominee)


Dr. Vikram Singh
(VC's Nominee)


Prof. Desh Raj Thakur
(Subject Expert)


Prof. Nripendranath Mandal
(Subject Expert)

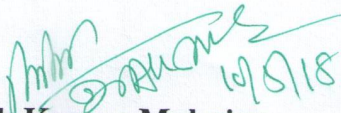

Prof. Ambrish Kumar Mahajan
Chairman & Convener

Table – 1: Revised Curricular Framework for M.Sc. in Zoology based on Choice Based Credit System (CBCS) (Year 2018)

Semester	Total Credits	Core-Compulsory	Credits	Total Credits	Core-Open	Credits
1 st	16	ZOOL 410: Animal Taxonomy	4			
		ZOOL 411: Ecology and Environment	2			
		ZOOL 412: Cellular and Molecular Biology	4			
		ZOOL 413: Invertebrate Biology	2			
		ZOOL 414: Zoology Lab I	2			
		ZOOL 415: Zoology Lab II	2			
2 nd	12	ZOOL 416: Cytogenetics and Evolution	2	4	ZOOL 424: Biostatistics	2
		ZOOL 417: Principles of Biochemistry	2		ZOOL 425: Bioinformatics	2
		ZOOL 418: Functional Anatomy of Chordates	4			
		ZOOL 419: Zoology Lab III	2			
		ZOOL 420: Zoology Lab IV	2			
3 rd	4	ZOOL 525A: Entomology	2	4	ZOOL 527: Immunology and Biotechnology	2
		ZOOL 526A: Animal Behaviour	2		ZOOL 528: Ichthyology	2
4 th	8	ZOOL 508: Animal Physiology	4	4	ZOOL 529: Parasitology	2
		ZOOL 510: Developmental Biology	4		ZOOL 530: Applied Zoology	2

Prasad
10/05/18

Shankar
10/05/18

Prasad
10/05/18

N. Mandel
10/05/2018

Prasad
10/5/18

Vivek
10/05/18

Prasad
10/5/18

F. Age Reg
10/05/18

Semester	Total Credits	Elective-Open								
3 rd	4	CBB 518: Elements of Systems Biology	4	<p><i>Handwritten notes:</i> N. Mandel 10/05/18 P. Ap. Reg. A. Dy.</p>						
		CBB 515: CADD <i>Computer aided drug discovery</i>	4							
		CBB 504: Genomics and Proteomics	4							
Semester	Total Credits	Electives (Specialization)	Credits	Semester	Total Credits	Electives (Specialization)	Credits			
3 rd	8	Entomology	ZOOL 571 A: Pesticides Hazards and Environment	2	4 th	8	Entomology	ZOOL 574 (A): Medical Entomology	2	
			ZOOL 572 A: Insect Control and IPM	2				ZOOL 576: Entomology Lab – II	2	
			ZOOL 573 A: Agricultural Entomology	2				Fish, Fisheries and Limnology	ZOOL 565: Fish Diseases and Control	2
			ZOOL 575: Entomology Lab – I	2					ZOOL 567 : Fisheries and Limnology Lab – II	2
		Fish, Fisheries and Limnology	ZOOL 561 A: Fish Taxonomy and Physiology	2			ZOOL 599: M.Sc. Dissertation		4	
			ZOOL 562 A: Fish and Fisheries of India	2						
			ZOOL 563: Limnology of Lakes, Streams and Ponds	2						
			ZOOL 566: Fisheries and Limnology Lab – I	2						

Handwritten signatures and dates:
 8/15/18
 10/05/18
 10/05/18

Handwritten signature and date:
 T. Ap. Reg. 10/05/18

Handwritten signatures and dates:
 N. Mandel 10/05/18
 10/05/2018

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