

Central University of Himachal Pradesh (ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT 2009) Dharamshala, Himachal Pradesh-176215



## **NAAC Criterion-I**

Key Indicator -1.4.2

## **Feedback process of the Institution**

## **1.4.2 Evidences**



## Department of Animal Science Central University of Himachal Pradesh, Dharamshala, Kangra



Central University of Himachal Pradesh

(ESTABLISHED UNDER CENTRAL UNIVERSITIES ACT 2009) Dharamshala, Himachal Pradesh-176215



## INDEX Department of Animal Science

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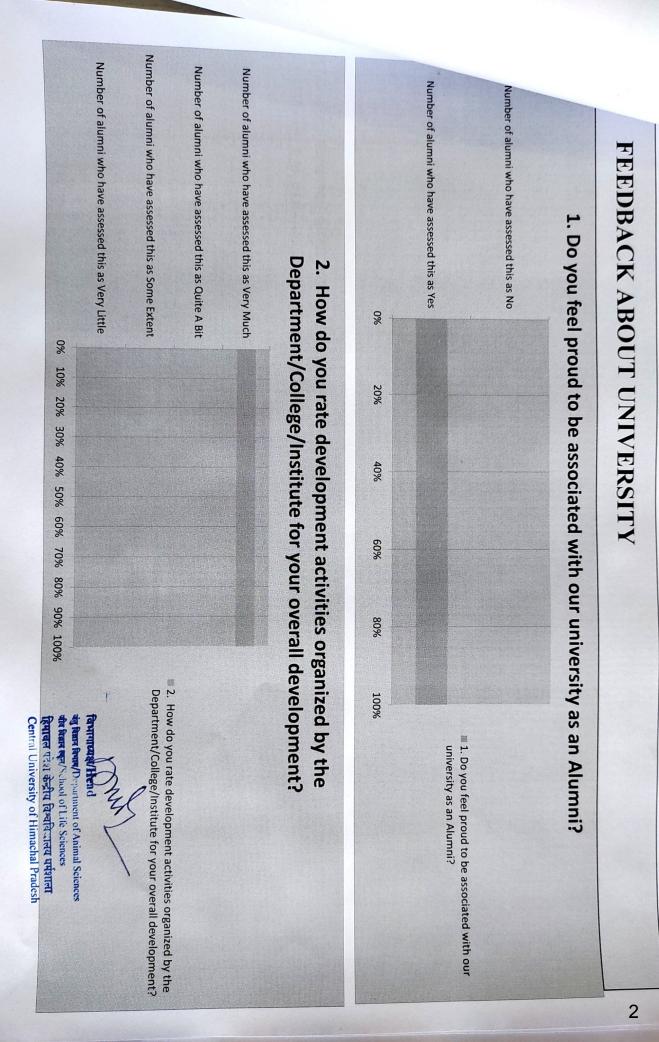
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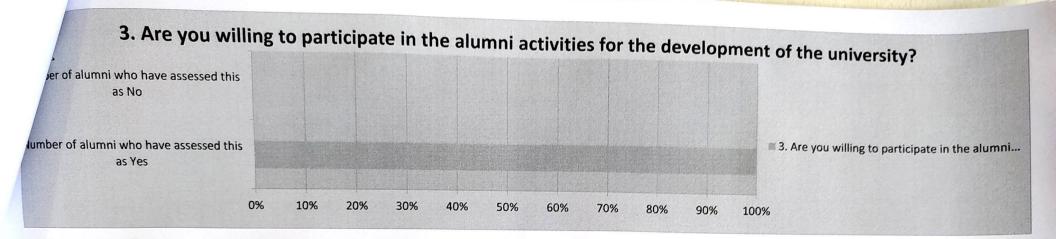
विभागाव्यक्र/Head जंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान त्वूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh

### Almuni Feedback 2021

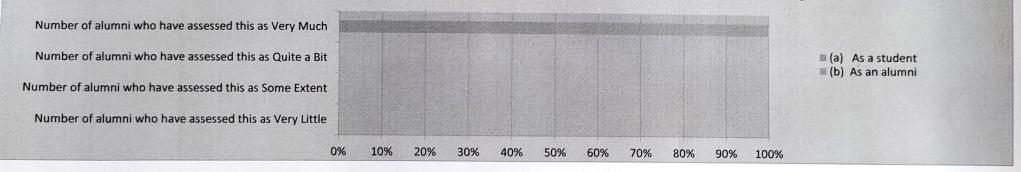
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A fine territie and the solution of Animal Sciences and the solution of Animal Sciences and the solution of Animal Sciences and the solution of the solution o	2400	¥09 %0 <del>1</del>	%07	%0
<ul> <li>Number of alumni who have assessed</li> <li>Kiti as Excellent</li> <li>Number of Alumni who have assessed</li> <li>Kiti as Poor</li> </ul>	%08		50%	Content learnt in relation to your current job. Infrastructure & Lab facilities How do you rate the courses that you have studied for How do you rate the courses which are skills oriented How do you rate the courses which are skills oriented Fee structure Fee structure Facilities Facilities Facilities Mainson Procedure Admission Procedure Mainson Procedure Mainson Procedure
				Overall capability of students passing out of this Training & Placement Industry visits Quality of support material Project Guidance Overall rating of academic programs Overall rating of the University Course of study and its relevance to the real life Library resources

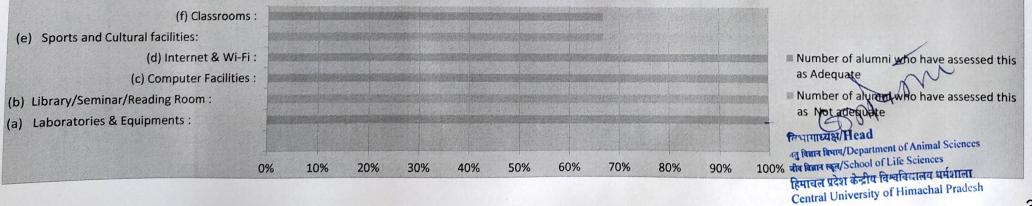


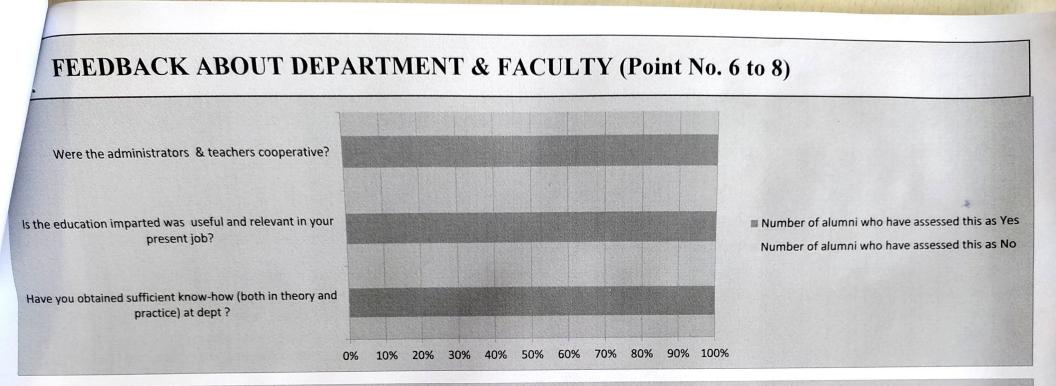


### 4. Where your grievances properly handled at the Department/University?

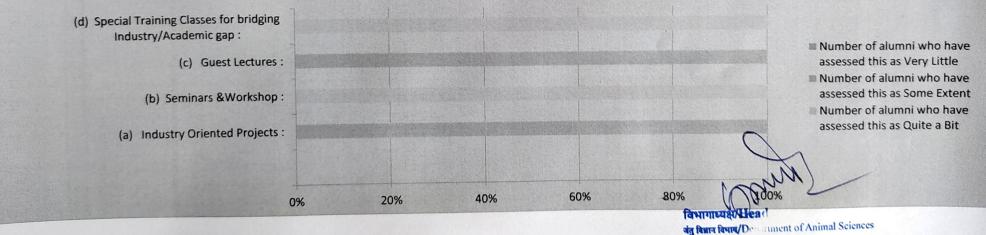


### 5. Rate the adequacy of following as they were during tenure as a student at our campus:





### Rate the following academic initiatives taken by the University to improve know-how of the students.



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# हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

Central Einiversite of Dimachal Drabesh

अस्थाई श्रीक्षणिक खण्ड, शाहपुर, ज़िला कॉंगड़ा, हिमाचल प्रदेश - 176206 Tempinens Aradimin Hawk Stialiper Distr. Kangra (181) - 12650. Webnie wiew coloniachal ac m

Department of Animal Science

File No: ANS/1- 8/ DRC/CUMP/17/631

Dated: 05.05.2018

### Faculty meeting to Revise Course Contents Held on the Basis of Alumni/Teacher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 5th May 2018. The meeting aimed at revising/adding new content to the courses to be offered in the Monsoon Semester 2018. In this meeting suggestions received from Alumni/Teacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

M.Sc Zoology, I-Semester

### **MONSOON SEMESTER 2018**

SI. No	Subject Code	Name of Course	10.00	
1			Credit	Name of Teacher
	2001.410	Animal Taxonomy	4	Dr Vivek Sharma
2	7.001.414	Zoology Lab I	2	Dr Nivedita Rana
M.Sc.7	nology III Sama			Di Niveulta Rana

iogy, III-Semester

SI. No		Name of Course	Credit	Name of Teacher
1	CBB-518	Elements of System Biology	4	Dr Nivedita Rana
2	CBB-515	Computer added drug discovery	4	Dr Vivek Sharma
3	CBB-504	Genomics and Proteonomics	4	Dr Rakesh Chauhan
4	ZOOL 571A ZOOL 572A ZOOL 573A ZOOL 575	Pesticides, Hazards and Environment Insect control and IPM Agriculture Entomology Entomology lab I	8	Dr Nivedita Rana/ Dr Vivek Sharma
5	ZOOL 561A ZOOL 562A ZOOL 563 ZOOL 566	Fish Taxonomy and Physiology Fish and Fisheries of India Limnology of lakes streams and ponds Fisheries and Limnology Lab I	8	Dr Rakesh Chauhan

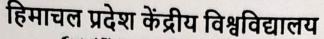
The Following faculty members attended the meeting:

SI. No	Name of Faculty members	Designation	Signature
1	Prof. A.K. Mahajan	Professor	Ante Servery
2	Ms. Nivedita Rana	Resource person	(Noterio
3	Dr Vivek Sharma	Resource person	Morale.
4	Dr Rakesh Chauhan	Resource person	Raleets

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Central University of Dimachat Drabesh

अस्थाई शैक्षणिक खण्ड, शाहपुर, ज़िला कॉॅंगड़ा, हिमाचल प्रदेश - 176206 Tergovan Academic Dick - Shahpir Dick - Angre (110) - 176206 Webuile www.cohimachal.ec.on

### **Department of Animal Science**

File No: ANS/I-P/DRC/CUMP/14/801

Dated: 03.12.2018

### Faculty meeting to Revise Course Contents Held on the Basis of Alumni/Teacher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 3<sup>rd</sup> December 2018. The meeting aimed at revising/adding new content to the courses to be offered in the Spring Semester 2018. In this meeting suggestions received from Alumni/Teacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

### M.Sc Zoology, II-Semester

### **SPRING SEMESTER 2019**

SL No	Subject Code	No. CO		
		Name of Course	Credit	Name of Teacher
1	ZOOL 416	Cytogenetic and Evolution	2	Dr Vivek Sharma
2	ZOOL 420	Zoology Lab - IV	2	
MS-7	onlog: IV Same		14	Dr Nivedita Rana

M.Sc Zoology, IV-Semester

SL No	Subject Code	Name of Course	Credit	Name of Teacher
1	ZOOL 599	DISSERTATION	4	All faculty members
2	ZOOL 574A	Medical entomology	2	Dr Rakesh Chauhan
	ZOOL 576	Entomology Lab II	2	Dr Nivedita Rana
3	ZOOL 565	Fish Diseases and Control	2	Dr Vivek Sharma
	ZOOL 567	Fisheries and Limnology Lab II	2	Dr Rakesh Chauhan
4	ZOOL 530	Applied Zoology	2	Dr Vivek Sharma

### The Following faculty members attended the meeting:

SL No	Name of Faculty members	Designation	Signature
1	Prof. A.K. Mahajan	Professor	, And Soft great
2	Ms. Nivedita Rana	Resource person	R
3	Dr Vivek Sharma	Resource person	Trale.
4	Dr Rakesh Chauhan	Resource person	Parces

वभागाध्यक्ष/Head

पंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान व्हूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh

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## Department of Animal Science (05-05-2018)

S. No.	Suggestions	Laster B.			
1	Need for Classroom Improvement	Action Taken Projectors have been purchased and installed in the classroom, and faculties are encouraged to use them when			
2	Concerning upcoming competitive exams, the syllabus needs to be improved.	teaching. In order to better prepare the students for upcoming competitive Exams, tutorials, remedial classes, and NET coaching have been initiated in the department.			
3	Library needs improvement	Proposals for the procurement of new books for the library			
4	It is necessary to offer a Skills Development Course.	are being prepared, and the process will begin soon. The Department intends to add additional skill enhancement and value added courses to the current			
5	Facilities for sports and culture need to be improved.	course curriculum in accordance with the CBCS model Sports and cultural amenities are already being included in efforts.			
6	Seminars/Workshops/Guest Lectures must be organized.	Seminars, workshops, and expert talks would be arranged in the department to expose students to the most recen advances in Animal sciences			
S. No.	Feedback Received	Action taken			
1.	Laboratories and their e improvement	equipment require Being a new department, every effort has been made to upgrade the facilities and well-equipped research labs. A faculty member has been delegated as a laboratory in charge, who, with the assistance of a laboratory assistant and technical staff, maintains the equipment.			
2.	Classroom Need to Improve	A procedure for ICT-equipped dassrooms has been commenced.			
5.	Process of teaching and learning i				

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विभागाध्यक्ष/Head जंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh 7



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय Central University of Dimachal Pradesh

अस्थाई शैक्षणिक खण्ड, शाहपुर, ज़िला कॉंगड़ा, हिमाचल प्रदेश - 176206

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### **Department of Animal Science**

File No: ANS/1-81 DRC/CUH9/17/1013

Dated: 01.06.2020

### Faculty meeting to Revise Course Contents Held on the Basis of Alumni/Teacher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 1<sup>st</sup> June 2020. The meeting aimed at revising/adding new content to the courses to be offered in the Monsoon Semester 2020. In this meeting suggestions received from Alumni/Teacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

M.Sc Zoology, I-Semester

### **MONSOON SEMESTER 2020**

SI. No.	Subject Code Name of the course		Credits	Name of the Teacher
1	ZOO 401	Cellular and Molecular Biology	4	Dr. Ranjit Kumar
2	ZOOL 404	Cellular and Molecular Biology and Invertebrate Biology Lab	2	Dr. Ranjit Kumar
3	ZOO 405	Animal Taxonomy and Histology Techniques Lab	2	Dr. Rakesh Kumar
4	ZOO 407	Histology and Histochemistry	2	Dr. Ranjit Kumar
5	ZOO 408	Chronobiology	2	Dr. Tarkeshwar

M.Sc Zoology, III-Semester

SI. No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	ZOO 502	Immunology	4	Dr. Ranjit Kumar
2	ZOO 503	Ichthyology	2	Dr. Rakesh Kumar
3	ZOO 505	Animal Biodiversity	2	Dr. Tarkeshwar
4	ZOO 506	Animal Biotechnology	2	Dr. Tarkeshwar
5	ZOO 507	Medical Biochemistry and Health	2	Dr. Rakesh Kumar
6	ZOO 508	Pesticides Hazards and Environment	2	Dr. Sunil Kumar
7	ZOO 509	Advances in Entomology and Pest Mangement	2	Dr. Tarkeshwar
8	ZOO 510	Agricultural Entomology	2	Dr. Sunil Kumar
9	ZOO 515	Fisheries and Limnology Lab I	2	Dr. Rakesh Kumar
10	ZOO 516	Advances in Molecular Biology	2	Dr. Ranjit Kumar
11	ZOO 517	Genomics and Proteoneomics	2	Dr. Rakesh Kumar
12	ZOO 518	Genetic Disorders and Cancer	2	Dr. Ranjit Kumar
13	ZOO 519	Molecular Biology Lab	2	Dr. Ranjit Kumar

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# हिमाचल प्रदेश केंद्रीय विश्वविद्यालय Central Eliminersity of Enmarchan Drabesh

# अस्थाई शैक्षणिक खण्ड, शाहपुर, ज़िला कॉंगड़ा, हिमाचल प्रदेश - 176206

The Following faculty members attended the meeting:

31 144	Name of Faculty members Designation			
1	Dr Sunil Kumar	Designation	Signature	
		Associate Professor	4-to- anu	
2	Dr. Rakesh Kumar		12 CARGERENO	
3	Dr Ranjit Komar	Assistant Professor	The	
	Dr. Tarkeshwar	Assistant Professor	Parst	
		Assistant Professor	Tim	

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विभागाध्यक्ष/Head णंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh



# हिमाचल प्रवेश केंद्रीय विश्वविद्यालय

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## Department of Animal Science

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Dated: 21.12.2020

### Enculty meeting to Revise Course Contents Held on the Basis of Alumni/Tencher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 21<sup>st</sup> December 2020. The meeting aimed at revising/adding new content to the courses to be offered in the SPRING Semester 2020, in this meeting suggestions received from Alumni/Ivacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

### M.Sc Zoology, II-Semester

### SPRING SEMIESTER 2020

SI, No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	XOO 454	Cytogenetics and Principles of Blochemistry Lab		Dr. Ranjit Kumar
5	200 457	Fundamental in Microbiology	2	Dr. Ranjit Kumar
3	200.458	livolution .	2	Dr. Sunil Kumar
-1	XOO 450	Comparative Physiology	2	Dr. Rakesh Kumar
5	200 400	Aquaculture	2	Dr. Rakesh Kumar
6	200.461	Fundamentals of Wildlife	2	Dr. Rakesh Kumar

M.Sc Zoology, IV-Semester

SI, No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	200 355	Medical Microbiology	2	Dr. Ranjit Kumar
2	200 556	Endocrinology	2	Dr. Rakesh Kumar
3	200 562	Molecular Genetics Lab-1	2	Dr. Ranjit Kumar

The Following faculty members attended the meeting:

SI, No	Name of Faculty members	Designation	Signature
1	Dr Sunil Kumar	Associate Professor	Greesmit
2	Dr Rakesh Kumar	Assistant Professor	Ruck
1	Dr Ranjit Kumar	Assistant Professor	States -
4	Dr Tarkeshwar	Assistant Professor	(Ten)

dummeral/Head

बंतु बिमान विभाग/Department of Animal Sciences जीव विज्ञान स्कून/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh

1.	Equipment and chemical needs for laboratories	J
	the chemical needs for laboratories	Consistent efforts have been made to acquire new laboratory equipment
		Some equipment and chemicals are
2.	Syllabus needs to be updated.	underway.
	,	The meeting of Board of studies of the department has been conducted or
		yearly basis where any updating in the present syllabus has been put forward
		to the committee for consideration and accordingly revision of syllabus.
		For the academic year 2021-2022, the
		development of the M.Sc. course
		curriculum under National Education
		Policy 2020 has been put into practice.
		Teachers actively participated in updating skill enhancement based
		course in the department.
		Department has updated the syllabus
		regularly by including the topics related
		with current development in the area of Animal Science and in accordance to
		NEP 2020.
	Practical subjects ought to be included.	Already Practical based topic has been
	3	included in the course including field survey in entomology and fishery
		Dissertation Project have been
		introduced in the department wherein
		8 to 10 students are assigned to a
		faculty member who act as their mentor for the completion of their project work
		The department sought to upgrade its
	Improvement in infrastructure	facilities, which included adding new lab
	•	spaces and one smart classroom. In the
		upcoming years, the infrastructure will
		be improved More recent edition of standard books
		were purchased and included in the
	$\cap$	library.

## Department of Animal Science (01-06-2020)

विभागसम्बद्धा/Head जंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh



# हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

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अस्थाई श्वैक्षणिक खण्ड, शाहपुर, ज़िला कॉंगड़ा, हिमाचल प्रदेश - 176206

## Department of Animal Science

File No: ANS/1-8/DEC/COHE/12/1819

Dated: 27.05.2021

### Faculty meeting to Revise Course Contents Held on the Basis of Alumni/Teacher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 27<sup>th</sup> May 2021. The meeting aimed at revising/adding new content to the courses to be offered in the Monsoon Semester 2021. In this meeting suggestions received from Alumni/Teacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

M.Sc Zoology, I-Semester

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### MONSON SEMESTER 2021

SI. No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	ZOO 415	Animal Physiology	2	Dr. Ranjit Kumar
2	ZOO 416	Structure and Function of Invertebrate	2	Dr. Rakesh Kumar
3	ZOO 419	Structure and Function of Invertebrate Lab	2	Dr. Rakesh Kumar
4	ZOO 420	Entomology	2	Dr. Sunil Kumar
5	ZOO 421	Ecology, Environment and Biodiversity	2	Dr. Amit Kumar
6	ZOO 422	Immunology	2	Dr. Rakesh Kumar
7	ZOO 423	Advanced technique of Biology	2	Dr. Amit Kumar
8	ZOO 424	Basics of Wildlife Study	2	Dr. Rakesh Kumar
9	ZOO 425	Medical Microbiology	2	Dr. Ranjit Kumar
10   1	IKS	Indian Knowledge System	2	Dr. Sunil Kumar

M.Sc Zoology, III-Semester

SI. No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	ZOO 515	Agricultural Entomology	2	Dr. Sunil Kumar
2	ZOO 517	Advances in Aquaculture and Fishery	2	Dr. Rakesh Kumar
3	ZOO 519	Advances in molecular biology	2	Dr. Ranjit Kumar
- 1	ZOO 521	Research Methodology	4	Dr. Ranjit Kumar
5	ZOO 522	Application of Computer, GPS, Image Analysis and PAST in Research	2	Dr. Amit Kumar
6	ZOO 523	Role of Biostatics in Restarch	2	Dr. Amit Kumar

विभीमाध्यक्ष/Head
 जंतु विमान विभाग/Department of Animal Sciences
 जीव विमान स्कूल/School of Life Sciences
 हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला
 Central University of Himachal Pradesh



# हिमाचल प्रवेश केंद्रीय विश्वविद्यालय

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Research Proposal Writing Skill

1 1 Dr. Rakesh Kumu Dr. Runfit Kumm

### The Fullmone family members attended the meeting:

nil. 10.	Name of Paculty members	Designation	Signature
1	De Aruil Kumar	Associate Professor	Utra Me
2	Dr Rakesh Kumar	Assistant Professor	Portonia
3	Dr Ranjit Kumar	Assistant Professor	-1-2-14-
1	Dr Amit Kumar	Resource Person	Arrit

विभागाध्यक्ष/Head

जंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh



# हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

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अस्थाई शैक्षणिक खण्ड, शाहपुर, ज़िला कॉंगड़ा, हिमाचल प्रवेश - 176206 w Hint Abalgan It in A anges (187) 1 \*\*

### Department of Animal Science

File No: ANS/1-8/ DEC/CUNE/12/2033

Dated: 15.12.2021

### Faculty meeting to Revise Course Contents Held on the Basis of Alumni/Teacher/Parent Feedback

Departmental Research Committee meeting of the Department of Animal Science took place on 15<sup>th</sup> December 2021. The meeting aimed at revising/adding new content to the courses to be offered in the SPRING Semester 2021. In this meeting suggestions received from Alumni/Teacher/Parent regarding curriculum shall be incorporated. It was decided that follow courses shall be offered and their syllabus will be revised.

MLSc Zoology, II-Semester

#### SPRING SEMESTER 2021

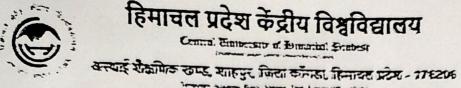
SI. No.	Subject Code	Name of the course	Credits	Name of the Teacher
1	ZOO 467	Biosystematics and Evolution	2	Dr. Amit Kumar
2	ZOO 468	Developmental Biology	2	Dr. Ranjit Kumar
3	ZOO 471	Endocrinology and Neural Physiology	2	Dr. Sunil Kumar
4	ZOO 473	Animal Behaviour	2	Dr. Amit Kumar
5.	ZOO 474	Applied Zoology	2	Dr. Rakesh Kumar
6	ZOO 475	Histology and Histochemistry	2	Dr. Ranjit Kumar
7	ZOO 476	Traditional uses of Animals for Sustainable Social and Health welfare	2	Dr. Sunil Kumar

### MLSc Zoology, IV-Semester

	1	Name of the course	Credits	Name of the Teacher
SI. No.	Subject Code		2	Dr. Ranjit Kumar
1.	ZOO 569	Molecular Genetics	2	Dr. Ranjit Kumar
2.	ZOO 570	Molecular Genetics LAB		and the same of th
	ZOO 571	Academic writings	2	Dr. Sunil Kumar
3.		Paper Publications/Seminar,	2	Dr. Rakesh Kumar
4. ZOO 572		Conferences Presentation at National Level		
5.	ZOO 573	Role of Artificial Intelligence in Animal Science Research	2	Dr. Rakesh Kumar
6.	ZOO 574	Use of advanced software like: Biorender, GIS, Mendeley and Turnitin etc. in Research	2	Dr. Rakesh Kumar

विभागाध्यक्ष/Head

जंतु विभाग विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh



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The Following faculty members attended the meeting:

SI. Vo	Name of Faculty members	Designation	Signature
3	Dr. Sumil Kumar	Associate Professor	STORA
2	Dr. Rakesh Kumar	Assisan Poleson	Vist
	Dr. Ranin Kumar	Assistant Anti-sour	Rent
:	Dr.Amit Kumar	Resource Person	1.1.

वभागाध्यक्ष/Head जंतु विज्ञान विभाग/Department of Animal Sciences जीव विज्ञान स्कूल/School of Life Sciences हिमाचल प्रदेश केन्द्रीय विश्वविद्यालय धर्मशाला Central University of Himachal Pradesh