



## Implementation of CBCS

### Minutes of Meetings (MoM) of Board of Studies (BoS)

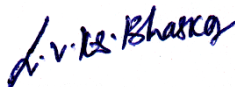
<b>Academic Year : 2020-21</b>	
<b>School</b>	<b>: School of Studies of Life Sciences</b>
<b>Department</b>	<b>: Zoology</b>
<b>Date and Time</b>	<b>: 06/07/2018 - 4:00 PM</b>
<b>Venue</b>	<b>: Department of Zoology</b>

The scheduled meeting of member of Board of Studies (BoS) of Department of Zoology, School of Studies of Life Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B. Sc. (I to VI semesters) scheme and syllabi.

The following members were present in the meeting:

1. Prof. Sangeeta Shukla (External Expert Member BoS, Dept. of Zoology, Jiwaji University, Gwalior, MP).
2. Dr. Monika Bhadauria (HOD, Dept. of Zoology, cum Chairman, BOS).
3. Dr. Rohit Seth (Member BoS, Associate Professor, Dept. of Zoology).
4. Dr. Santosh Singh (Assistant Professor, Dept. of Zoology).

The committee discussed and approved the CBCS scheme and syllabi for B. Sc. (I to VI Semesters) for session 2020-21

  
विभागप्रमुख  
HEAD  
जन्तु विज्ञान विभाग  
Department of Zoology  
गुरु घासीदास वि.वि., बिलासपुर  
Guru Ghasidas Vishwavidyalaya, Bilaspur

Signature & Seal of HoD



**MINUTES OF THE MEETING OF BOARD OF STUDIES IN ZOOLOGY**

A meeting of Board of Studies in Zoology was convened in the chamber of Head, Department of Zoology, on 06/07/2018 at 4 pm to revise the syllabus and scheme of examination of B.Sc. Zoology. Due to sudden change in pre-scheduled program of the external expert, Prof Sangeeta Shukla could not attend the meeting; however, she asked to send soft copy of the syllabus through email for her. The soft copy of syllabus was sent to her through email, she made necessary corrections in the syllabus and sent it back to us for further necessary action at GGV.

The following members were present during the meetings:

Dr. Monika Bhadauria	:	Chairman
Dr. Sangeeta Shukla	:	External expert member (Could not attend meeting)
Dr. Rohit Seth	:	Member
Dr. Santosh Singh	:	Member

The existing syllabus of B.Sc. Zoology course was carefully scrutinized and changes were made as per CBCS scheme wherever needed. The corrected version approved by BOS members with their initials/signature is attached herewith for further necessary action please.

Meeting was ended with the vote of thanks specially thanks for kind cooperation of external member Prof Sangeeta Shukla who made her personal efforts to complete the syllabus.

Prof Sangeeta Shukla

Dr Rohit Seth

Dr Santosh Singh

Dr Monika Bhadauria

विभागाध्यक्ष  
HEAD  
जन्तु विज्ञान विभाग  
Department of Zoology  
गुरु घासीदास वि.वि., बिलासपुर  
Guru Ghasidas Vishwavidyalaya, Bilaspur



## Scheme and Syllabus- UG

B.Sc. Hon's (Zoology): CBCS 2018-2019

School of Life Sciences

Semester I				
Course Opted	Course Code	Name of the course	Credit	H/week
Core Course-1 Theory	LS/ZOO/CC-101 L	Non Chordates – I (Protista to Pseudocoelomate)	4	4
Core Course-1 Practical	LS/ZOO/CC-101 P	Lab Course	2	4
Core Course-2 Theory	LS/ZOO/CC-102 L	Principles of Ecology	4	4
Core Course-2 Practical	LS/ZOO/CC-102 P	Lab Course	2	4
Generic Elective-1 Theory	LS/ZOO/GE-101 L	Aquatic Biology	4	4
Generic Elective-1 Practical	LS/ZOO/GE-101 P	Lab Course	2	4
Ability Enhancement Compulsory Course-1	LS/ZOO/AE-101/EC	English Communication / MIL (Hindi Communication)	4*	4
Extracurricular activity		Tour, Field visit/ Industrial training/ NSS/ Swachhta/ Vocational Training/ Sports/ others	2	(2)
<b>TOTAL</b>			<b>24</b>	<b>28</b>
Semester II				
Core Course-3 Theory	LS/ZOO/CC-201 L	Non Chordates – II (Coelomates)	4	4
Core Course-3 Practical	LS/ZOO/CC-201 P	Lab Course	2	4
Core Course-4 Theory	LS/ZOO/CC-202 L	Cell Biology	4	4
Core Course-4 Practical	LS/ZOO/CC-202 P	Lab Course	2	4
Generic Elective-2 Theory	LS/ZOO/GE-201 L	Environment and Public Health	4	4
Generic Elective-2 Practical	LS/ZOO/GE-201 P	Lab Course	2	4
Ability Enhancement Compulsory Course-2	LS/ZOO/AE-201/ES	Environmental Science	4*	4
Extracurricular activity		Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)
<b>Total</b>			<b>24</b>	<b>28</b>
<b>Summer Internship: 15 days</b>		Swayam Swachhta / NSS / Industrial/ others	2	100
Semester III				
Core Course-5 Theory	LS/ZOO/CC-301 L	Diversity of chordates	4	4
Core Course-5 Practical	LS/ZOO/CC-301 P	Lab Course	2	4
Core Course-6 Theory	LS/ZOO/CC-302 L	Physiology: Controlling and Coordinating systems	4	4
Core Course-6 Practical	LS/ZOO/CC-302 P	Lab Course	2	4
Core Course-7 Theory	LS/ZOO/CC-303 L	Fundamentals of Biochemistry	4	4
Core Course-7 Practical	LS/ZOO/CC-303 P	Lab Course	2	4
Generic Elective-3 Theory	LS/ZOO/GE-301 L	Food Nutrition and Health	4	4
Generic Elective-3 Practical	LS/ZOO/GE-301 P	Lab Course	2	4
Skill Enhancement Course-1	LS/ZOO/SEC-301 L	Sericulture	2	4
Skill Enhancement Course-1	LS/ZOO/SEC-301 P	Lab Course	2	4
<b>Total</b>			<b>28</b>	<b>34</b>
Semester IV				
Core Course-8 Theory	LS/ZOO/CC-401 L	Comparative anatomy of vertebrates	4	4
Core Course-8 Practical	LS/ZOO/CC-401 P	Lab Course	2	4
Core Course-9 Theory	LS/ZOO/CC-402 L	Physiology: Life Sustaining Systems	4	4
Core Course-9 Practical	LS/ZOO/CC-402 P	Lab Course	2	4
Core Course-10 Theory	LS/ZOO/CC-403 L	Biochemistry of Metabolic Processes	4	4



Core Course-10 Practical	LS/ZOO/CC-403 P	Lab Course	2	4
Generic Elective-4 Theory	LS/ZOO/GE-401 L	Insect Vectors and Diseases	4	4
Generic Elective-4 Practical	LS/ZOO/GE-401 P	Lab Course	4	4
Skill Enhancement Course-2	LS/ZOO/SE-401	Medical Diagnostics	2	2
Skill Enhancement Course-2	LS/ZOO/SE-401	Lab Course	2	4
<b>TOTAL</b>			<b>28</b>	<b>34</b>
<b>Summer internship: 15 days</b>			<b>2</b>	<b>100</b>
<b>Semester V</b>				
Core Course-11 Theory	LS/ZOO/CC-501 L	Molecular Biology	4	4
Core Course-11 Practical	LS/ZOO/CC-501 P	Lab Course	2	4
Core Course-12 Theory	LS/ZOO/CC-502 L	Principles of Genetics	4	4
Core Course-12 Practical	LS/ZOO/CC-502 P	Lab Course	2	4
Discipline Specific Elective-1 Theory	LS/ZOO/DSE-501(A) L LS/ZOO/DSE-501(B) L LS/ZOO/DSE-501(C) L	A. Basics of Neuroscience B. Endocrinology C. Immunology	4	4
Discipline Specific Elective-1 Practical	LS/ZOO/DSE-501(A) P LS/ZOO/DSE-501(B) P LS/ZOO/DSE-501(C) P	Lab Course A Lab Course B Lab Course C	2	4
Discipline Specific Elective-2 Theory	LS/ZOO/DSE-502(A) L LS/ZOO/DSE-502(B) L LS/ZOO/DSE-502(C) L	A. Animal Behavior and Chronobiology B. Parasitology C. Reproductive Biology	4	4
Discipline Specific Elective-2 Practical	LS/ZOO/DSE-502(A) P LS/ZOO/DSE-502(B) P LS/ZOO/DSE-502(C) P	Lab Course A Lab Course B Lab Course C	2	4
<b>TOTAL</b>			<b>24</b>	<b>32</b>
<b>Semester VI</b>				
Core Course-13 Theory	LS/ZOO/CC-601 L	Developmental Biology	4	4
Core Course-13 Practical	LS/ZOO/CC-601 P	Lab Course	2	4
Core Course-14 Theory	LS/ZOO/CC-602 L	Evolutionary Biology	4	4
Core Course-14 Practical	LS/ZOO/CC-602 P	Lab Course	2	4
Discipline Specific Elective-3 Theory	LS/ZOO/DSE-601(A) L LS/ZOO/DSE-601(B) L LS/ZOO/DSE-601(C) L	A. Biology of Insecta B. Fish and Fisheries C. Wild Life Conservation and Management	4	4
Discipline Specific Elective-3 Practical	LS/ZOO/DSE-601(A) P LS/ZOO/DSE-601(B) P LS/ZOO/DSE-601(C) P	Lab Course A Lab Course B Lab Course C	2	4
Dissertation/ Project work / Academic Visit followed by report submission and seminar	LS/ZOO/DW/PW/AV		5+1=6	8
<b>TOTAL</b>			<b>24</b>	<b>32</b>
<b>TOTAL CREDITS</b>			<b>152</b>	<b>4 (SI)</b>

As per UGC CBCS guidelines, University / departments have liberty to offer GE and SEC courses offered by any department to students of other departments. The No. of GE course is four. One GE course is compulsory in first 4 semesters each. In present scheme it is proposed to have minimum two GE courses (from one subject) in first two semester after which student shall change two GE for another subject in III<sup>rd</sup> and IV<sup>th</sup> semester, so that all the student can have exposure of one additional subject.  
(Subject to approval by the competent authority)

*Changela*  
External Expert

*Dr. Kohit Seth*  
Dr. Kohit Seth

*Santosh Singh*  
Dr. Santosh Singh

*Mouli*  
Head of the Department

विभागाध्यक्ष  
HEAD  
जन्तु विज्ञान विभाग  
Department of Zoology  
गुरु घासीदास वि.वि., बिलासपुर  
Guru Ghasidas Vishwavidyalaya, Bilaspur