



Implementation of CBCS / ECS

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

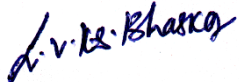
Academic Year : 2020-21	
School	: School of Studies of Life Sciences
Department	: Zoology
Date and Time	: 18/08/2020
Venue	: Department Of Zoology

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 M. Sc. scheme and syllabi.

The following members were present in the meeting:

1. Prof. SK Prasad (External Expert Member BoS, Dept. of Biosciences, Pandit Ravishankar Shukla University, Raipur, CG.
2. Prof. LVKS Bhaskar (HOD, Dept. of Zoology, cum Chairman, BOS)
3. Dr. Rohit Seth (Member BoS, Associate Professor, Dept. of Zoology)
4. Dr. Sushant Kumar Verma (Assistant Professor, Dept. of Zoology)

The committee discussed and approved the ECS scheme and syllabi for M. Sc. (I to IV 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

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

Scheme and Syllabus- UG

Scheme and Syllabus

For

M. Sc. Zoology

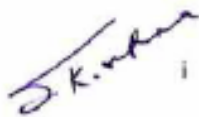
Applicable from Session 2020-2021 to onwards

Department of Zoology

School of Life Sciences

Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)









Semester-wise Theory Papers/ Practical: Masters of Science in Zoology

Department of Zoology, School of Life Science

Type of Course	Course Code	Title of the Course	Lecture- Tutorial- Practical / week	No. of credits	Continuous Compreh- ensive Assessment (CCA)	End- Semester Exam. (ESE)	Total
Semester – Ist							
Core Course 1	LZT 101	Comparative Anatomy of Vertebrates	4	4	40	60	100
Core Course 2	LZT 102	Cell Biology	4	4	40	60	100
Core Course 3	LZT 103	Reproduction and Developmental Biology	4	4	40	60	100
Core Course 4	LZT 104	Basic Mammalian Physiology	4	4	40	60	100
Core Course Practical 1	LZL 105	Lab. Exercises based on courses LZT 101 and 102	6	3	40	60	100
Core Course Practical 2	LZL 106	Lab. Exercises based on courses LZT 103 and 104	6	3	40	60	100
				22	240	360	600
Semester IInd							
Core Course 5	LZT 201	Biochemistry and Molecular Biology	4	4	40	60	100
Core Course 6	LZT 202	Regulatory Mammalian Physiology	4	4	40	60	100
Core Course 7	LZT 203	Endocrinology	4	4	40	60	100
Core Course 8	LZT 204	Biotechniques	4	4	40	60	100
Core Course Practical 3	LZL 205	Lab. Exercises based on course LZT 201 and 202	6	3	40	60	100
Core Course Practical 4	LZL 206	Lab. Exercises based on course LZT 203 and 204	6	3	40	60	100
				22	240	360	600
Semester IIIrd							
Core Course 9	LZT 301	Molecular Genetics	4	4	40	60	100
Core Course 10	LZT 302	Animal Behavior	4	4	40	60	100

S. K. Singh

J. K. Sharma

Sharma



DSE: A <i>Biochemistry and Molecular Biology</i>	LZT 303A	Biochemistry of Intermediary Metabolism	4	4	40	60	100
DSE: A <i>Biochemistry and Molecular Biology</i>	LZT 304A	Molecular Biology of Information Pathway: Nucleic Acids	4	4	40	60	100
DSE: B <i>Mammalian Reproductive Physiology and Endocrinology</i>	LZT 303B	Neuroendocrinology and Non-Classical Hormones	4	4	40	60	100
DSE: B <i>Mammalian Reproductive Physiology and Endocrinology</i>	LZT 304B	Male and Female Reproduction	4	4	40	60	100
DSE: C <i>Fish Biology</i>	LZT 303C	Fish Culture and Pathology	4	4	40	60	100
DSE: C <i>Fish Biology</i>	LZT 304C	Fish Anatomy and Physiology	4	4	40	60	100
DSE: D <i>Neuroscience</i>	LZT 303D	Brain and Neuron	4	4	40	60	100
DSE: D <i>Neuroscience</i>	LZT 304D	Developmental Neurobiology	4	4	40	60	100
DSE: E <i>Toxicology</i>	LZT 303E	Occupational and Environmental Toxicity	4	4	40	60	100
DSE: E <i>Toxicology</i>	LZT 304E	Mechanism of Toxicology	4	4	40	60	100
DSE: F <i>Epidemiology and Molecular Genetics</i>	LZT 303F	Basic Epidemiology	4	4	40	60	100
DSE: F <i>Epidemiology and Molecular Genetics</i>	LZT 304F	Clinical Epidemiology	4	4	40	60	100
Core Course Practical 5	LZL 305	Lab. Exercises based on courses LZT 301 and 302	6	3	40	60	100
DSE Practical (Elective)	LZL 306	Lab. Exercises based on courses LZT 303 and 304 (A-F)	6	3	40	60	100
				22	240	360	600

Semester IVth

Core Course 11	LZT 401	Evolution and Environmental Biology	4	4	40	60	100
Core Course 12	LZT 402	Biostatistics OR Discrete Data Analysis: MOOC	4	4	40	60	100
DSE: A <i>Biochemistry and Molecular</i>	LZT 403A	Protein and Enzymology	4	4	40	60	100

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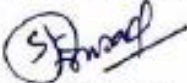
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<i>Biology</i>							
DSE: A <i>Biochemistry and Molecular Biology</i>	LZT 404A	Medical Biochemistry	4	4	40	60	100
DSE: B <i>Mammalian Reproductive Physiology and Endocrinology</i>	LZT 403B	Hormone Receptors and Signaling Mechanism	4	4	40	60	100
DSE: B <i>Mammalian Reproductive Physiology and Endocrinology</i>	LZT 404B	Fertility and Sterility	4	4	40	60	100
DSE: C <i>Fish Biology</i>	LZT 403C	Fish Reproduction, Genetics and Biotechnology	4	4	40	60	100
DSE: C <i>Fish Biology</i>	LZT 404C	Capture Fishery	4	4	40	60	100
DSE: D <i>Neuroscience</i>	LZT 403D	Cellular Neurophysiology and Neurochemistry	4	4	40	60	100
DSE: D <i>Neuroscience</i>	LZT 404D	Sensory, Motor and Regulatory Systems	4	4	40	60	100
DSE: E <i>Toxicology</i>	LZT 403E	Mechanism of Toxicity	4	4	40	60	100
DSE: E <i>Toxicology</i>	LZT 403E	Systemic Toxicity	4	4	40	60	100
DSE: F <i>Epidemiology and Molecular Genetics</i>	LZT 403F	Molecular Markers and Genome Analysis	4	4	40	60	100
DSE: F <i>Epidemiology and Molecular Genetics</i>	LZT 404F	Prenatal Diagnosis and Pre-Implantation Genetics	4	4	40	60	100
DES Dissertation	LZL 405	Project work / Dissertation	12	6	80	120	200
				22	240	360	600

1. Discipline Specific Electives (DSE) for each session will be offered to students on the basis of availability of faculty and infrastructure.
2. Offering of DSE in any particular session will be decided after a formal meeting of faculty members of Department of Zoology.
3. Each student may elect any one out of the given electives (A, B, C, D, E and F).
4. Elective papers will be distributed among the students on the basis of merit/choice. The project work/dissertation will be carried out only in the field of respective elective papers (A, B, C, D, E and F) opted by the students.


Prof. S K Prasad
(External Expert)


Dr. Rohit Seth
(Member)


Dr. S K Verma
(Member)


Prof. LVKS Bhaskar
(HOD)