

List of Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework

Department : **Zoology**

Programme Name : M.Sc.

Academic Year: 2021-22

Courses which focuses on Professional Ethics, Gender, Human Values, Environment & Sustainability and other value framework:

Sr. No.	Course Code Name of the Course					
01.	LZT-303 E	Occupational and Environmental Toxicity				
02.	LZT-401	Evolution and Environmental Biology				
03.	LZT-404 F	Prenatal Diagnosis and Pre-implantation Genetics				
04.	ZOPBTA1	Research Methodology				



गुरु घासीदास विश्वविद्यालय (क्ट्रीय विकास अधिक 200 क 25 के अर्थत लागित केट्रीय विविध्यक्त) 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

DSE: A Biochemistry and Molecular Biology	LZT 303A	Biochemistry of Intermediary Metabolism	4	4	40	60	100
DSE: A Biochemistry and Molecular Biology	LZT 304A	Molecular Biology of Information Pathway: Nucleic Acids	4	4	40	60	100
DSE: B Memmelian Reproductive Physiology and Endocrinology	LZT 3038	Neuroendocrinology and Non- Classical Hormones	4	4	40	60	100
DSE: B Mammelian Reproductive Physiology and Endocrinology	LZT 304B	Male and Female Reproduction	4	4	40	60	100
DSE: C Fish Biology	LZT 303C	Fish Culture and Pathology	4	4	40	60	100
DSE: C Fish Biology	LZT 304C	Fish Anatomy and Physiology	4	4	40	60	100
DSE: D Neuroscience	LZT303D	Brain and Neuron	4	4	40	60	100
DSE: D Neuroscience	LZT 304D	Developmental Neurobiology	4	4	40	60	100
DSE: E	LZT 303E	Occupational and	4	4	48	60	100
Toxicology		Environmental Toxicity			-	200	777
DSE: E Taxicalogy	LZT 304E	Mechanism of Toxicology	4	4	40	60	100
DSE: F Epidemiology and Molecular Genetics	LZT 303F	Basic Epidemiology	4	4	40	60	100
DSE: F Epidemialogy and Molecular Genetics	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	Lah. Exercises based on courses LZT 303 and 304 (A-F)	6	3	40	60	100
				22	240	360	600
St. 114	a West Steller	Semester	IVa				
Core Course	LZT 401	Evolution and Environmental	4	4	40	60	100
11		Biology					
Core Course 12	LZT 402	Biostatistics OR Discrete Data Analysis: MOOC	4	4	40	60	100
DSE: A Biochemistry and Molecular	LZT 403A	Protein and Enzymology	4	4	40	60	100

(5) Queel

Sk. ava

Now M

BLOKEY!

गुरु घासीदास 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.)

Biology							1000
DSE: A Biochemistry and Molecular Biology	LZT 404A	Medical Biochemistry	4	4	40	60	100
DSE: B Mammallau Reproductive Payalology and Endocrinology	LZT 403B	Hormone Receptors and Signaling Mechanism	4	4	40	60	100
DSE: B Mammalian Reproductive Physiology and Endwerinology	LZT 404B	Fertility and Sterility	4	4	40	50	100
DSE: C Fish Biology	LZT 403C	Fish Reproduction, Genetics and Biotechnology	4	4	40	60	100
DSE; C Fish Biology	LZT 404C	Capture Fishery	4	4	40	60	100
DSE: D Neuroscience	LZT 403D	Cellular Neurophysiology and Neurochemistry	4	4	40	60	100
DSE: D Neuroscience	LZT 404D	Sensory, Motor and Regulatory Systems	4	4	40	60	100
DSE: E Toxicology	LZT 403E	Mechanism of Texicity	4	4	40	60	100
DSE: E Toxicology	LZT 403E	Systemic Toxicity	4	4	40	60	100
DSE: F Epidemiology and Molecular Genetics	LZT 403F	Molecular Markers and Genome Analysis	4	4	40 .	60	100
DSE: F	LZT 404F	Prenatal Diagnosis and Pre-	4	4	40	60	100
Epidemiology and Molecular Genetics		Implantation Genetics					
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 facult; and infrastructure.
- 2. Offering of DSE in any particular session will be decided after a formal meeting of faculty members of Departmen of Zoology.
- Each student may elect any one out of the given electives (A, B, C, D, E and F).
 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)

Avke Blooms Prof. LVKS Bhaskar (HOD)



Guru Ghasidas Vishwavidyalaya

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

Semester-wise Theory Papers/ Practical Masters of Science in Zoology (CBCS) Department of Zoology, School of Life Science

CC I CC I			Week				Tota
CC I		Semester - T ^o					
	ZOPATTI	Comparative Anatomy of Vertebrates	T-3	3	30	70	100
CC 2	ZOPALTI	Comparative Anatomy of Vertebrates	14	2	15	35	50
	ZOPATT2	Cell Biology		3	30	70	100
CC 2	ZOPALT2	Cell Biology	14	2	15	35	50
CC3	ZOPATT3	Endocrinology	T-3	3	30	70	100
CC3	ZOPALT3	Endocrinology	1.4	2	15	35	50
OE I	ZOPATO1	To be drawn from the pool of OE	T-3	3	30	70	100
OE 1	ZOPALO1	To be drawn from the pool of OE	L-4	2	15	35	50
Commit	*Certificate	UACE, VAC, CC, OCC and others offered by university				-	-
			28H/W	20	180	420	600
		Semester II nd					
CC 4	ZOPBTT1	Biochemistry and Molecular Biology	T-3	3	30 7	70	100
CC 4	ZOPBLTI	Biochemistry and Molecular Biology	L-4	2	15	35	50
CC 5	ZOPBTT2	Basic Mammalian Physiology	T-3	3	38	70	100
CC 5	ZOPBLT2	Basic Mammalian Physiology	14	2	15	35	50
CC 6	ZOPBTT3	Animal behavior	T-3		30	70	100
CC 6	ZOPBLT3	Animal behavior	1.4	2	15	35	50
DSE: 1	ZOPBTDI	Molecular Genetics	T-3		30	70	100
DSE-1	ZOPBLD1	Molecular Genetics	L4	2	W Y	35	50
RM	ZOPBTAL	Research Methodology	T-2		30	70	100
	*Certificate	UACE, VAC, CC, OCC and others offered by university	-	-	-	TM.	100
			30H/W	22	210	490	700
		Park Constitution	-			100	100
CC7	ZOPCTTI	Semester III rd Developmental Biology	T-3	3	30	70	100
CC 7	ZOPCLT1	Developmental Biology	14			35	50
CC.8	ZOPCTT2	Regulatory Mammalian Physiology	T-3			70	100
CC 8	ZOPCLT2	Regulatory Mammalian Physiology	L4			35	50
CC 9	ZOPCTT3	Evolution, Environmental Biology and Sustainable Development	T-3			70	100
CC 9	ZOPCLT3	Evolution, Environmental Biology and Sustainable Development	1.4	2	15	35	50
DSE: 2	ZOPCTD1	Brain function and Mental Awareness	T-3	3	80	70	100
DSE: 2	ZOPCLD1	Brain function and Mental Awareness	L-4				50
		UACE, VAC, CC, OCC and others offered by university	214	-	12	10	0.0
		The state of the s	28H/W	20	180	(20	600
		ALCOHOLOGICAL CONTROL		-			000
CC 10	ZOPDTTI	Semester IV [®]	T-3	3 3	90 T	70	100

Brown Marin