

Annexure-IV

H.P. University, Summerhill, Shimla

Structure and Syllabus

of

Zoology

for

B.Sc. Undergraduate Programme

Based on:

**U.G.C. Choice Based Credit System (CBCS)
Model Curriculum**

(Effective from academic session July, 2016)

SCHEME AND SYLLABUS UNDER CHOICE BASED CREDIT SYSTEM
B.SC. WITH ZOOLOGY

Semester	Core Course(4)	Credits	Ability Enhancement Compulsory Courses AEC (2)		Skill Enhancement Courses SEC(4)		Discipline Specific Elective DSE(2)	
				Credits		Credits		Credits
I	CC- Zoology I Animal Diversity ZOOLOGY 101 TH ZOOLOGY 101 PR	04 02	(English/Hindi/MIL Communication)/ Environmental Sciences	04				
II	CC- Zoology II Comparative Anatomy and Developmental Biology of Vertebrates ZOOLOGY 201 TH ZOOLOGY 201 PR	04 02	Environmental Sciences (English/Hindi/MIL Communication)	04				
III	CC- Zoology III Physiology and Biochemistry ZOOLOGY 301 TH ZOOLOGY 301 PR	04 02			SEC-I Medical Diagnostics ZOOLOGY 302 TH	04		
IV	CC- Zoology IV Genetics and Evolutionary Biology ZOOLOGY 401 TH ZOOLOGY 401 PR	04 02			SEC- II Apiculture ZOOLOGY 402 TH	04		
V					SEC- III Sericulture ZOOLOGY 504 TH	04	DSE- Zoology I Applied Zoology ZOOLOGY 501 TH ZOOLOGY 501 PR OR Animal Biotechnology ZOOLOGY 502 TH ZOOLOGY 502 PR OR Aquatic Biology ZOOLOGY 503 TH ZOOLOGY 503 PR	04 02 04 02 04 02
VI					SEC – IV Aquarium Fish Keeping ZOOLOGY 604 TH OR Research Methodology ZOOLOGY 605 TH	04 04	DSE- Zoology II Insect, Vector and Diseases ZOOLOGY 601 TH ZOOLOGY 601 PR OR Immunology ZOOLOGY 602 TH ZOOLOGY 602 PR OR Reproductive Biology ZOOLOGY 603 TH ZOOLOGY 603 PR	04 02 04 02

Discipline Core Courses: Zoology

1. Animal Diversity ZOO L 101 TH ; ZOO L 101 PR
2. Comparative Anatomy and Developmental Biology of Vertebrates
ZOO L 201 TH; ZOO L 201 PR
3. Physiology and Biochemistry ZOO L 301 TH; ZOO L 301 PR
4. Genetics and Evolutionary Biology ZOO L 401 TH; ZOO L 401 PR

Discipline Specific Electives: Zoology (Any two)

1. Applied Zoology ZOO L 501 TH
2. Animal Biotechnology ZOO L 502 TH
3. Aquatic Biology ZOO L 503 TH
4. Insect, Vector and Diseases ZOO L 601 TH
5. Immunology ZOO L 602 TH
6. Reproductive Biology ZOO L 603 TH

Skill Enhancement Courses: Zoology

1. Medical Diagnostics ZOO L 302 TH
2. Apiculture ZOO L 402 TH
3. Sericulture ZOO L 504 TH
4. Aquarium Fish Keeping ZOO L 604 TH
5. Research Methodology ZOO L 605 TH