

**NORTH-EASTERN HILL UNIVERSITY
DEPARTMENT OF ZOOLOGY
SHILLONG**

M.Sc. Zoology Syllabus, CBCS, (w. e. f. August, 2008)

	Paper Name	Paper number	
		Theory (100) 4 credits	Practical (50) 2 credits
1st Semester	Cell Biology & Immunology	ZOO-C:101	ZOO-C: 102
	Biological Chemistry & Molecular Biology	ZOO-C:103	ZOO-C: 104
	Genetics & Developmental Biology	ZOO-C:105	ZOO-C: 106
2nd Semester	Animal Physiology	ZOO-C: 201	ZOO-C: 202
	Parasitology and Entomology	ZOO-C: 203	ZOO-C: 204
	Techniques in Biology	ZOO-OC: 205	ZOO-OC: 206
3rd Semester	Endocrinology & Reproductive Biology	ZOO-C: 301	ZOO-C: 302
	Aquatic Biology and Fisheries	ZOO-C: 303	ZOO-C: 304
	Animal Diversity	ZOO-OC: 305	ZOO-OC: 306
4th Semester	Biosystematics & Evolution	ZOO-C: 401	ZOO-C: 402
	Ecology & Environmental Biology	ZOO-C: 403	ZOO-C: 404
	Special paper*	ZOO-C: 405	ZOO-C: 406

* Special Papers offered

- A. Biochemical Adaptation and Metabolic Regulation
- B. Developmental Biology
- C. Endocrinology and Reproductive Physiology
- D. Fish Biology
- E. Genetics
- F. Helminth Parasitology
- G. Insect Physiology
- H. Limnology
- I. Molecular Cell Biology and Immunology

M. Sc Zoology syllabus includes 12 papers (Total marks: 1800, total credits: 72) with 10 core courses (C) (60 credits) and 2 open courses (OC) (12 credits). Open courses (OC) are to be offered in IInd and IIIrd semesters. Each individual course has 150 marks (6 credits) with 100 marks (4 credits) for Theory and 50 marks for Practical (2 credits). Semester IV shall have one core paper as Special paper, with several options offered by the department as indicated above.