

MS/M.PHIL SCHEME

SEMESTER-I

Compulsory Courses

Course Code	Course Title	Credits
ZOO-5011/701	Advance Biological Techniques	3(3+0)

Elective Courses

Course Code	Course Title	Credits
ZOO-5031/703	Fish culture and Management	3(3+0)
ZOO-5051/705	Insect and Integrated Pest Management	3(3+0)
ZOO-5071/707	Conservation Biology of Wildlife	3(3+0)
ZOO-5091/709	Biology of Ornamental Fish and Aquaria Management	3(3+0)
ZOO-5111/711	Environmental Health Policies and Law	3(3+0)
ZOO-5131/713	Marine Living Resources	3(3+0)

SEMESTER-II

Compulsory Courses

Course Code	Course Title	Credits
ZOO-5022/702	Advances in Biostatistics	3(3+0)

Elective Courses

Course Code	Course Title	Credits
ZOO-5042/704	Fisheries technologies	3(3+0)
ZOO-5062/706	Advances in Helminthology	3(3+0)
ZOO-5082/708	Environmental issues	3(3+0)
ZOO-5102/710	Fish Processing and Value Addition	3(3+0)
ZOO-5122/712	Wildlife of Pakistan	3(3+0)
ZOO-5142/714	Advances in Behavior and Chemical Ecology of Insects	3(3+0)

CURRICULUM FOR PhD PROGRAM (AFTER MS) IN
ZOOLOGY
SEMESTER–I

Course Code	Course Title	Credits
ZOO-6011/801	Ecosystem Engineering	3+0
ZOO-6031/803	Advances in Ecology	3+0
ZOO-6051/805	Biology of Birds and Mammals of Pakistan	3+0
ZOO-6071/807	Wetland Management	3+0
ZOO-6091/809	Hydrography	3+0
ZOO-6111/811	Environmental Toxicology	3+0
	Total Credit Hrs	12

SEMESTER–II

Course Code	Course Title	Credits
ZOO-6022/802	Teratology	3+0
ZOO-6042/804	Biodiversity of Inland and Terrestrial Molluscs	3+0
ZOO-6062/806	Desert Zoology	3+0
ZOO-6082/808	Air pollution monitoring	3+0
	Specialization course for PhD	3+0
	Specialization course for PhD	3+0
	Total Credit Hrs	12

SPECIALIZATION COURSES FOR PhD

MARINE ZOOLOGY

Course Code	Course Title	Credits
ZMZ:6102/810	Advances in Marine Biology	3+0
ZMZ:6122/812	Marine Pollution	3+0
ZMZ:6142/814	Advances Marine Ecology	3+0
ZMZ:6162/816	Coastal zone Management	3+0

AQUACULTURE AND FISHERIES

Course Code	Course Title	Credits
ZFA:6102/810	Fisheries and Aquaculture	3+0
ZFA:6122/812	Advances in Aquaculture	3+0
ZFA: 6142/814	Techniques in Fisheries Research	3+0
ZFA:6162/816	Fish breeding and Hatchery Management	3+0
ZFA:8182/818	Fish nutrition and health	3+0

ENTOMOLOGY

Course Code	Course Title	Credits
ZEN:6102/810	Agriculture Entomology	3+0
ZEN:6122/812	Veterinary and Medical Importance of Arthropods	3+0
ZEN:6142/814	Advanced insect ecology	3+0

LABORATORY SCIENCES AND TECHNIQUES

Course Code	Course Title	Credits
ZLT:6102/810	Applied Parasitology	3+0
ZLT:6122/812	Medical Parasitology	3+0

WILDLIFE

Course Code	Course Title	Credits
ZWL:6102/810	Restoration Ecology And Sustainable Development	3+0
ZWL:6122/812	Wildlife Management and conservation	3+0
ZWL:6142/814	Biodiversity and Climate Change	3+0
ZWL:6162/816	Geographic information system and Remote sensing (GIS and RS)	3+0