

Study Plan of Master's Degree in Zoology by courses
42 Credit hours (34 credit hours: compulsory courses + 8 credit hours: elective courses)

Compulsory courses			
Level 1	Course Code	Course Name	Credit hours
	ZOO 511	Applied Entomology and Parasitology	2 (1 + 1)
	ZOO 521	Aquatic Animals	2 (1 + 1)
	ZOO 531	Advanced Animal Physiology	2 (1 + 1)
	ZOO 543	Cell and Tissue Biology	2 (1 + 1)
	ZOO 556	Advanced Cytogenetics	2 (1 + 1)
	ZOO 571	Animal Ecology and Pollution	2 (1 + 1)
			12

Compulsory courses			
Level 2	Course Code	Course Name	Credit hours
	ZOO 519	Medical Entomology	2 (1+1)
	ZOO 520	Common Parasites between Human and Animal	2 (1+1)
	ZOO 529	Fish Culture	2 (1+1)
	ZOO 534	Physiology of Hormones	2 (1+1)
	ZOO 553	Molecular Biology and Genetic Engineering	2 (2+0)
	ZOO 580	Advanced Animal Ecology	2 (1+1)
			12

Compulsory courses			
Level 3	Course Code	Course Name	Credit hours
	ZOO 528	Fishery Resources	2 (2 + 0)
	ZOO 561	Embryonic Development	2 (1+1)
	ZOO 581	Advanced Pollution	2 (1+1)
			6

Compulsory course + Elective course(s)			
Level 4	Course Code	Course Name	Credit hours
	-----	Elective Course	2
	ZOO 599	Research project	4
			6

Elective courses

Course Code	Course Name	Credit hours
ZOO 500	Experimental Design in Zoology	2 (1 + 1)
ZOO 516	Acarology	3 (2 + 1)
ZOO 518	Advanced Techniques in Entomology or Parasitology	1 (0+1)
ZOO 527	Water quality for Aquatic animals	1 (0 + 1)
ZOO 541	Advanced Histochemistry	3 (2 + 1)
ZOO 546	Advanced Techniques in Histology	1 (0 + 1)
ZOO 547	Economic Invertebrates	2 (1 + 1)
ZOO 548	Advanced Ichthyology	2 (1 + 1)
ZOO 552	Quantitative and Population Genetics	2 (1 + 1)
ZOO 560	Advanced Biotechnology	2 (1 + 1)
ZOO 562	Reproductive Physiology and Artificial Insemination	2 (1 + 1)
ZOO 563	Physiological Immunology	2 (1 + 1)
ZOO 564	Recent Techniques in Embryology	2 (1 + 1)
ZOO 565	Immunoparasitology	2 (1 + 1)
ZOO 584	Animal Diversity in Saudi Arabia	2 (2+ 0)
ZOO 585	Ecophysiology	3 (2 + 1)
ZOO 586	Advanced Animal Behavior	2 (1 + 1)
ZOO 597	Selected Topics in Zoology	1 (1 + 0)
ZOO 598	Seminar	1 (1 + 0)