Weber State University – ZOOLOGY MAJOR – Marine Biology

Bachelor of Science Degree (BS) 2023-Current

Required Zoology Courses: ZOOL 1610 (1110) LS Principles of Zoology ZOOL 2220 Diversity of Animals ZOOL 3200 Cell Biology ZOOL 3300 Genetics ZOOL 3450 Ecology ZOOL 3600 Comparative Physiology ZOOL 3720 Evolution ZOOL 4990 Seminar Total Credit Hours Upper-division Zoology Electives (minimum 4 ca	(4)	Required Statistics Courses (minimum 1 course): MATH 1040 QL Introduction to Statistics MATH 3410 Probability and Statistics I SOC 3600 Social Statistics PSY 3600 Statistics in Psychology Total Credit Hours Required Physics Courses (minimum 1 course): PHYS 1010 PS Elementary Physics PHYS 2010 PS College Physics I w/lab PHYS 2210 PS Physics for Sci. and Eng. I w/lab Total Credit Hours	(3)
ZOOL <u>3470</u> Zoogeography	(3)		
ZOOL 3500 Conservation Biology	(3)	Elective Support Courses (minimum 4 courses, mus	t include at
ZOOL 3730 Population Biology	(3)	least 1 BTNY or MICR; Courses taken with separate	abs counts as
ZOOL 3820 Biology of Cancer	(3)	1 course):	
ZOOL 3930 Toxicology	(3)	Botany	(5)
ZOOL 4050 Comparative Vertebrate Anatomy	(4)	BTNY 1203 LS Plant Biology	(3)
ZOOL 4100 Vertebrate Embryology	(4)	BTNY 2104 Plant Form and Function*	(4)
ZOOL 4120 Histology	(4)	BTNY 2114 Evolutionary Survey of Plants*	(4)
ZOOL 4210 Advanced Human Physiology	(4)	BTNY 2303 Ethnobotany	(3)
ZOOL 4220 Endocrinology	(4)	BTNY 3105 Anatomy of Vascular Plants	(4)
ZOOL 4300 Research Applications in Genetics	(4)	BTNY 3204 Plant Physiology	(4)
ZOOL 4350 Animal Behavior	(4)	BTNY 3214 Soils	(4)
ZOOL 4470 Wildlife Ecology and Management	(4)	BTNY <u>3454</u> Plant Ecology	(4)
ZOOL 4480 Freshwater Ecology	(4)	BTNY <u>3504</u> Mycology	(4)
ZOOL 4490 Marine Ecology §	(4)	BTNY 3624 Taxonomy of Vascular Plants	(4)
ZOOL 4500 Parasitology		Chemistry	
ZOOL 4640 Entomology	(4)	CHEM 2310 Organic Chemistry I	(4)
ZOOL 4650 Ichthyology	(4)	with CHEM 2315Organic Chemistry I Lab	(1)
	(4)	CHEM 2320 Organic Chemistry II	(4)
ZOOL <u>4660</u> Herpetology ZOOL <u>4670</u> Ornithology	(4)	with CHEM 2325Organic Chemistry II Lab	(1)
	(4)	CHEM 3070 Biochemistry I	(3)
ZOOL 4680 Mammalogy	(4)	Earth and Environmental Sciences	
ZOOL 4700 Topics in Zoology^	(3-4)	GEO 3710 Intro to Geographic Information Systems	s^ (4)
Total credit hours	12-16	GEO 3840 Remote Sensing: Principles and	(4)
Experience in Zoology (minimum 2 credit hours	– may bo	Methods [^]	
		Math	
taken in the same or separate semesters - or se	elect a	Math MATH 3450 Advanced Statistical Methods^	(4)
taken in the same or separate semesters - or so 5th course from upper-division electives above	elect a):		(4)
taken in the same or separate semesters - or so 5th course from upper-division electives above ZOOL 3099 Teaching the Human Anat. Lab.	elect a): (3)	MATH 3450 Advanced Statistical Methods [^]	(4)
taken in the same or separate semesters - or so 5th course from upper-division electives above ZOOL 3099 Teaching the Human Anat. Lab. ZOOL 3100 Advanced Human Anatomy	elect a): (3) (3)	MATH 3450 Advanced Statistical Methods [^] Microbiology	
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