WELD 160 Metal Layout for Fabrication (3)
6 hours lecture/laboratory
Note: May be taken 4 times
This course provides students with knowledge of basic layout, fitup, fabrication, safe operation of shop equipment. Parallel line, radial line, and triangulation layout will be taught. Students will work from drawings or sketches to prepare, form, or cut multiple parts for assembly.

WELD 196 Special Problems in Welding (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: Completion of, or concurrent enrollment in, WELD 100
Note: May be taken 4 times
This course is designed to aid the student in the enrichment of the area of concentration in welding and is of a research nature. Content to be determined by the need of the student under signed contract with the instructor.

Women's Studies

Contact the Behavioral Sciences Department for further information, (760) 744-1150, ext. 2330

Associate in Arts degree requirements, Certificate of Achievement requirements, and Certificate of Proficiency requirements are listed in Section 6 (green pages) of the catalog.

PROGRAM OF STUDY

Women's Studies

This major offers the student an opportunity to study women and their contributions from a female perspective. It also provides intensive, interdisciplinary lower-division preparation necessary for pursuing advanced coursework in Women's Studies. Transfer students should consult the four-year college or university catalog for specific requirements.

A.A. DEGREE MAJOR

Program Requirements		Units
SOC 115	Introduction to Women's Studies	3
Electives (Select a minimum of 15 units)		
AIS 165	Native Women in the Americas	3
COMM 105	Human Values in the Mass Media	3
ENG 280	Women and Literature	3
HIST 130	Women in United States History	3
PSYC/SOC 125	Human Sexuality	3
PSYC 130	Psychology of Women	3
PSYC/SOC 145	Psychology and Sociology of Aging	3
TOTAL UNITS		**18**

Recommended Electives: ENG 100 and 202 with emphasis in Women's Studies issues.

Zoology (ZOO)

Contact the Life Sciences Department for further information, (760) 744-1150, ext. 2275

COURSE OFFERINGS

ZOO 100 General Zoology (4)
3 hours lecture-3 hours laboratory
Note: Not open to students with prior credit in ZOO 101 or 101L
Transfer acceptability: CSU; UC – No credit if taken after ZOO 101/101L; CAN BIOL 4
Principles of animal life and body organization. Structural and functional adaptations of major groups of the animal kingdom from protozoans through mammals. This is a general education course intended for non-science majors.

ZOO 101 Animal Kingdom (3)
3 hours lecture
Note: Not open to students with prior credit in ZOO 100
Transfer acceptability: CSU; UC – No credit if taken after ZOO 100
Structural and functional adaptations of major groups of the animal kingdom from protozoans through mammals. ZOO 101L laboratory optional.

ZOO 101L Animal Kingdom Laboratory (1)
3 hours laboratory
Prerequisite: Completion of, or concurrent enrollment in, ZOO 101
Note: Not open to students with prior credit in ZOO 100
Transfer acceptability: CSU; UC – No credit for ZOO 101/101L if taken after 100
Investigations upon living and preserved specimens representative of the major groups of the animal kingdom. This is a general education course intended for non-science majors.

ZOO 115 Natural History of Animal Life (4)
3 hours lecture-3 hours laboratory
Note: Not open to students with prior credit in ZOO 116 or 116L
Transfer acceptability: CSU; UC – ZOO 115, 116/116L combined: maximum credit, 4 units
Consideration of the natural history, adaptations, ecology, behavior, and distribution of animals with reference to major groups of both vertebrates and invertebrates. Weekend field trips are required.

ZOO 116 Natural History of Animal Life (Lecture) (3)
3 hours lecture
Note: Not open to students with prior credit in ZOO 115
Transfer acceptability: CSU; UC – ZOO 115, 116/116L combined: maximum credit, 4 units
Consideration of the natural history, adaptations, ecology, behavior, and distribution of animals with reference to major groups of both invertebrates and vertebrates

ZOO 116L Natural History of Animal Life (Laboratory) (1)
3 hours laboratory
Prerequisite: Completion of, or concurrent enrollment in, ZOO 116
Note: Not open to students with prior credit in ZOO 115
Transfer acceptability: CSU; UC – ZOO 115, 116/116L combined: maximum credit, 4 units
The radiative adaptation of representative animals to various habitats and modes of life; field observation of major fauna of littoral, chaparral, desert, and mountain environments. Weekend field trips are required.

ZOO 120 Animal Behavior (3)
3 hours lecture
Transfer acceptability: CSU; UC
Biological basis of behavior including behavior genetics, operation of evolutionary processes on species typical behaviors, behavioral ontogeny, functional organization of nervous systems, animal senses, motivation including hormonal effects on drive, and biorhythms; behavioral ecology including social behavior and social living, reproductive behaviors, homing and migration, antipredatory defenses, feeding strategies, and communication.

ZOO 135 Marine Mammals: Biology and Ecology (3)
3 hours lecture
Note: Cross listed as BIOL 135
Transfer acceptability: CSU; UC
Basic biology and ecology of marine mammals. Special emphasis on behavior, adaptations, and conservation.

ZOO 145 Introduction to Anatomy and Physiology (3)
3 hours lecture
Note: Not open to students with prior credit in ZOO 200,203 and 205
Transfer acceptability: CSU; UC – ZOO 145/145L and BIOL 106/106L or BIOL 105 combined: maximum credit, 4 units; UC – No credit for ZOO 145/145L if taken after ZOO 203, 205/205L, or 200

Introduction to the structure and function of human body systems in health and disease. Not recommended for those intending to take BIOL 105, 106, ZOO 200, 203, or 205.

ZOO 145L Introduction to Anatomy and Physiology Laboratory (1)
3 hours laboratory
Prerequisite: Completion of, or concurrent enrollment in, ZOO 145
Transfer acceptability: CSU; UC – ZOO 145/145L and BIOL 106/106L or BIOL 105 combined: maximum credit, 4 units; UC – No credit for ZOO 145/145L if taken after ZOO 203, 205/205L, or 200
Introduction to the structure and function of human body systems. Includes study of cells, tissues, and human organ systems. Not recommended for those intending to take BIOL 105, 105L, 106, ZOO 200, 203, 205, or 205L.

ZOO 195A Field Study of Marine Invertebrates (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study of the fauna of marine intertidal and subtidal habitats of selected geographic regions, with emphasis upon field identification, observation and interpretation of behavioral and ecological interrelationships of animals to their environment and to one another. See Class Schedule for locality to be visited.

ZOO 195B Field Study of Marine Vertebrates (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study fishes and marine reptiles and mammals, with emphasis upon identification, behavior, and adaptations. See Class Schedule for locality to be visited.

ZOO 195C Field Study of Terrestrial Vertebrates (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study of terrestrial mammals, reptiles, and amphibians, emphasizing identification, behavior, adaptations, and ecology. See Class Schedule for locality to be visited.

ZOO 195D Field Study of Birds (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study of terrestrial and aquatic avifauna of selected habitats, emphasizing identification and observation of native and migratory birds, their behavior, and adaptations. See Class Schedule for locality to be visited.

ZOO 195E Field Study of Terrestrial and Aquatic Invertebrates (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field study of the land and freshwater invertebrate life of selected areas, emphasizing taxonomic identification, behavior, and ecological relationships. See Class Schedule for locality to be visited.

ZOO 195F Field Studies in Animal Ecology (1,2,3)
2, 4, or 6 hours lecture/laboratory
Note: Fee charged; may be taken 4 times
Transfer acceptability: CSU; UC – ZOO 195A-F combined: maximum credit, 2 courses
Extended field studies of the fauna of selected ecosystems, emphasizing identification of animal species and observations upon their interspecific and conspecific interactions and ecological relationships with flora. See Class Schedule for locality to be visited.

ZOO 197 Zoology Topics (.5-4)
Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.
Note: May be taken 4 times
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus
Topics in Zoology. See Class Schedule for specific topic offered. Course title will designate subject covered.

ZOO 200 Anatomy (5)
3 hours lecture-6 hours laboratory
Prerequisite: BIOL 102; or BIOL 200; or BIOL 100; or BIOL 101 and 101L; or BIOL 105; or BIOL 106 and BIOL 106L
Transfer acceptability: CSU; UC – ZOO 200, 203, 205/205L combined: maximum credit, 10 units; CAN BIOL 10; ZOO 200+203 =CAN BIOL SEQ B
Designed to provide a basic understanding of the structure of the human body. Laboratory study includes a study of anatomy through cat and organ dissection, skeletal study, use of human models and other visual aids.

ZOO 203 Physiology (5)
3 hours lecture-6 hours laboratory
Prerequisite: BIOL 102; or BIOL 200 and CHEM 100; or BIOL 100 and CHEM 100; or BIOL 105 and CHEM 100
Note: Not open to students with prior credit in ZOO 205 and/or 205L
Transfer acceptability: CSU; UC – ZOO 200, 203, 205/205L combined: maximum credit, 10 units; UC – ZOO 203 and 205/205L combined: maximum credit, 5 units; CAN BIOL 12; ZOO 200+203= CAN SEQ B
Principles of human physiology including laboratory exercises. Deals with physiology of muscle, nerve, circulation, respiration, excretion, digestion, the endocrines and exercise.

ZOO 205 Physiology Lecture (3)
3 hours lecture
Prerequisite: BIOL 102; or BIOL 200 and CHEM 100; or BIOL 100 and CHEM 100; or BIOL 105 and CHEM 100
Note: Not open to students with prior credit in ZOO 203
Transfer acceptability: CSU; UC – ZOO 200, 203, 205/205L combined: maximum credit, 10 units; UC – ZOO 203 and 205/205L combined: maximum credit, 5 units
Principles of human physiology. Deals with physiology of muscle, nerve, circulation, respiration, excretion, digestion, the endocrines and exercise.

ZOO 205L Physiology Laboratory (2)
6 hours laboratory
Prerequisite: Completion of, or concurrent enrollment in, ZOO 205
Note: Not open to students with prior credit in ZOO 203
Transfer acceptability: CSU; UC – ZOO 200, 203, 205/205L combined: maximum credit, 10 units; UC – ZOO 203 and 205/205L combined: maximum credit, 5 units
Laboratory exercises in principles of human physiology. Deals with physiology of muscle, nerve, circulation, respiration, excretion, digestion, the endocrines and exercise.

ZOO 295 Directed Study in Zoology (1,2,3)
3, 6, or 9 hours laboratory
Prerequisite: Approval of project or research by department chairperson
Note: May be taken 4 times
Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus
Independent study for students who have demonstrated skills and/or proficiencies in Zoology subjects and have the initiative to work independently on projects or research outside the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.