

# Courses

## BIOLOGY

**BIOL 197/297 (11-6 CR)**  
**INTERNSHIP/PRACTICUM IN BIOLOGY**  
Participation in a project under the direction of a faculty member and in consultation with a professional in the field. (NE)

**BIOL 201 (5 CR)**  
**CELL BIOLOGY: CREATION, ENERGY AND THE GIFT OF LIFE**  
Basic biology class designed for students who intend to go further in the life sciences. Covers cell evolution, basic biochemistry and cellular structure and function. Lab included. Prerequisite: CHEM 111 or 121, or concurrent enrollment. (NSL)

**BIOL 202 (5 CR)**  
**PLANT BIOLOGY: HONORING THE GIFTS OF PLANTS**  
Covers the basics of algae, vascular plants and non-vascular plant structure, reproduction, nutrient uptake, growth and diversity. Lab included. Prerequisite: BIOL 201. (NSL)

**BIOL 203 (5 CR)**  
**ANIMAL BIOLOGY: OUR RELATIVES**  
Introduces the topics of invertebrate and vertebrate anatomy and physiology, taxonomy, diversity and classification and animal adaptation in terms of form and function. Lab included. Prerequisite: BIOL 201. (NSL)

**BIOL 205 (5 CR)**  
**ANIMAL BEHAVIOR**  
Focuses on various aspects of the study of animal behavior. Includes methods, behavior genetics and evolution, biological mechanisms of behavior, finding food and shelter, social organization and mating systems. Prerequisite: ENGL 100. (NS)

**BIOL 210 (3 CR)**  
**SHELLFISH BIOLOGY**  
Commercially important mollusks, crustacea and other harvested invertebrates highlighted with respect to systematics, anatomy, reproductive strategies, feeding and growth. (NS)

## BIOLOGY

**BIOL 215 (5 CR)**  
**CONSERVATION BIOLOGY**  
Explores ecological principles and conservation biology used as management tools to sustain and preserve the biosphere and cultural diversity. Lab included. (NSL)


**BIOL 241 (1 CR)**  
**OSTEOLOGICAL IDENTIFICATION**  
Introduction to individual elements of the human skeleton combined with basic understanding of differences between human skeletal remains and non-human remains. Students also work in the field assessing remains and artifacts. Prerequisite: ENGL 100 or permission of instructor. (NSL)

**BIOL 242 (6 CR)**  
**ANATOMY & PHYSIOLOGY I**  
Designed for students interested in a career in the field of health, or anyone interested in how the human body is organized and works. Topics include structure and function of the human body. Emphasis is on introductory cytology and histology and anatomy and physiology of integumentary, skeletal, muscular and nervous systems. Lab included. Prerequisite: BIOL 101 and/or CHEM 113 or 123. (NSL)

**BIOL 243 (6 CR)**  
**ANATOMY & PHYSIOLOGY II**  
Continued study of the human body structure and function with emphasis on circulatory, respiratory, digestive, urinary, endocrine and reproductive systems. Lab included. Prerequisite: BIOL 242. (NSL)

**BIOL 245 (5 CR)**  
**MICROBIOLOGY**  
Designed for students who intend to earn a degree in biology or health related fields. Topics include: introduction to microbes; anatomy, physiology, taxonomy and pathogenicity of bacteria, yeasts, fungi and viruses; infectious processes and host responses; principles of epidemiology. Lab included. Prerequisite: BIOL 201 or 243. (NSL)

## BIOLOGY

**BIOL 310 (5CR)**  
**ECOLOGY & WEB OF INTERRELATEDNESS**  
Examines the intricate relationships between organisms and their environments including concepts of: species diversity, energy flow, ecosystem organization, life history, ecological niche, habitat, system stability, species coexistence, complexity, scaling, and thresholds. Emphasis placed on the local environment. Prerequisites: BIOL 203 and MATH 102. 

**BIOL 350 (4 CR)**  
**ETHNOBIOLOGY: PEOPLE, PLANTS & ANIMALS**  
Study of the interrelationships between people and biological organisms in a multidisciplinary field of inquiry where the subject matter and approaches to subjects may vary greatly. Focuses on topics and concerns of relevance to Native Americans with special emphasis on the Pacific Northwest. Prerequisites: BIOL 202 and 203.

**BIOL 388/488 (1-5 CR)**  
**TOPICS IN BIOLOGY**  
Taught in a classroom setting.

**BIOL 389/489 (1-5 CR)**  
**INDIVIDUALIZED STUDIES IN BIOLOGY**  
Individualized learning contracts between a student and an instructor.

**BIOL 397/497 (1-6 CR)**  
**INTERNSHIP/PRACTICUM IN BIOLOGY**  
Participation in an internship/practicum project under the direction of a faculty member in consultation with a professional in the field.

**\*COURSE ADDED 03.15.2012\***  
**BIOL 425 (5 CR)**  
**BIOLOGY OF FISHES**  
Explores the evolution, biology, and ecology of freshwater and marine fishes with a focus on local species. Particular attention will be paid to salmonids in reference to their socio-economic and traditional importance to native peoples of the Pacific Northwest. Prerequisite: BIOL 203

CS – Communication Skills

NASD– Native American Studies

NS–Natural Science

QS–Quantitative Skills

HT – Humanities Theory

NE–Non Transferable Elective

NSL–Natural Science Lab

SS–Social Science

HP – Humanities Performance

TE–Transferable Elective

N–Non-Applicable



May include Indigenous Service Learning Component