

NATURAL WORLD

Courses in this area explore science as a way of knowing about the natural world, highlighting the process of scientific inquiry and the interplay between theoretical and experimental analysis. They focus on fundamental principles that illuminate the study of our surroundings, including matter, energy, and living things. Emphasis is placed on students making connections between science and their daily lives. Natural World courses are designated NW in this catalog and each semester's registration materials.

STUDENT LEARNING OUTCOMES

Courses with NW designation are intended to help students understand the scientific method and provide opportunities to do the following:

1. Demonstrate an understanding of the theoretical and/or experimental background of a particular topic or model, sufficient to form or identify a hypothesis.
2. Demonstrate an ability to critically analyze scientific results discussing strengths and weaknesses.
3. Demonstrate how scientific results can be extended to more general situations in contemporary society.

Courses with NW designation address all of the above learning outcomes.

Code	Title	Credits
BIOL 107	ANIMALS IN ACTION	3
BIOL 108	ECOLOGY OF ECOSYSTEMS	3
BIOL 112	MICROBIOLOGY OF GRAPES AND WINE (ALSO LISTED AS WINE 112)	3
BIOL 201	CONCEPTS IN MARINE ECOLOGY	3
BIOL 210	PRINCIPLES OF BIOLOGY	4
BIOL 211	PRINCIPLES OF BIOLOGY	4
BIOL 212	HUMAN ANATOMY	4
BIOL 213	HUMAN PHYSIOLOGY	4
BIOL 285	PRINCIPLES OF ECOLOGY	5
BIOL 289	NW ECOLOGY AND ENVIRONMENTAL WRITING	4
BIOL 290	PLANTS AND SOCIETY	4
BIOL 335	HUMAN EMBRYOLOGY	3
BIOL 350	BIOL & IDENTIFICATION OF WOODY PLANTS	4
BIOL 385	PLANT SYSTEMATICS	5
CHEM 100	CONCEPTS IN CHEMISTRY	3
CHEM 170	INTRODUCTORY TOPICS IN CHEMISTRY	4
CHEM 201	GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY (I)	4
CHEM 202	GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY (II)	4
CHEM 210	GENERAL CHEMISTRY	4
CHEM 211	GENERAL CHEMISTRY	4
CHEM 300	THE ART AND SCIENCE OF BREWING	4
CHEM 301	FOOD SCIENCE (ALSO LISTED AS HHPA 301)	4
CRWR 289	NW ECOLOGY AND ENVIRONMENTAL WRITING	4
ENGR 315	CIRCUITS AND ELECTRONICS I (ALSO LISTED AS PHYS 315)	4
ENVS 200	INTRODUCTION TO ENVIRONMENTAL SCIENCE	4
ENVS 201	ENVIRONMENTAL SCIENCE	4

ENVS 302	SHORELINE ECOLOGY	3
ENVS 304	CLIMATE CHANGE: CAUSES, CONSEQUENCES, AND MITIGATION	3
ENVS 305	ENVIRONMENTAL ISSUES AND THE PHYSICAL SCIENCE	3
ENVS 308	WATER RESOURCES	3
ENVS 360	FOREST ECOLOGY AND MANAGEMENT	4
ENVS 380	CONSERVATION BIOLOGY	4
HHPA 112	INTRODUCTION TO HUMAN BIOLOGY	4
HHPA 280	NUTRITION	3
HHPA 301	FOOD SCIENCE (ALSO LISTED AS CHEM 301)	4
PHYS 100	HOW THINGS WORK	3
PHYS 101	DESCRIPTIVE ASTRONOMY	3
PHYS 215	MODERN PHYSICS	4
PHYS 315	CIRCUITS AND ELECTRONICS I (ALSO LISTED AS ENGR 315)	4
PHYS 398	SPECIAL TOPICS: JAN TERM TRAVEL	4
PSYC 101	SURVEY OF PSYCHOLOGY	4
PSYC 282	INTRODUCTION TO BIOPSYCHOLOGY	4
PSYC 283	INTRODUCTION TO COGNITION	4
PSYC 389	COGNITIVE NEUROSCIENCE	4
SOAN 113	INTRODUCTION TO ARCHAEOLOGY	4
WINE 112	MICROBIOLOGY OF GRAPES AND WINE (ALSO LISTED AS BIOL 112)	3