

BIOLOGY (BIDI)

BIDI 1090 Curiosity and the Nature of New Hampshire (4)

This course focuses on the scientific process and how curiosity and focused observations comprise the cornerstone of rigorous hypotheses in biology. We will use repeated observations of biological phenomena to formulate hypotheses, design experiments and collect data with the goals of cultivating curiosity and appreciation for investigations of biological phenomena. Springs. (SIDI)

BIDI 1240 Biology of the Northern Woods (4)

Explores the flora and fauna of central New Hampshire from ecological, evolutionary, and biodiversity focused perspectives, with an emphasis on building a strong knowledge base in local biodiversity. Labs focus on measuring biological phenomena in terrestrial and aquatic habitats close to campus. Additional course fee required. Falls. (SIDI)

BIDI 1400 Plagues and Peoples (3)

An important influence on the course of human history has been the outbreak of infectious diseases. This course focuses on major infectious disease outbreaks throughout history, with an emphasis on the way these diseases have impacted human history and the evolution of society. Political, social, economic, cultural, and medical impacts these diseases have had on the development of our society, then and now, are considered. Not open to students who have earned credit for BI 1350. Falls and Spring. (PPDI)

BIDI 1500 Insects and Society (3)

An exploration of human interactions with and attitudes toward insects from different perspectives. Investigates roles of insects in areas including agriculture, artistic expression, commercial products, and health, and how and why societies have responded to varying interactions with insects in different ways. Through this exploration, students consider how our concept of self is shaped by interactions with other species. Falls and Springs. (SSDI)

BIDI 2010 Human Biology I (4)

Focuses on human anatomy and physiology with emphases on ethics, the environment and related health and wellness issues. Starts with an overview of basic cell chemistry and biology including DNA, cell division and cancer. Explores the 4 major types of tissue type, followed by the integument, the skeletomuscular system and its interaction with the nervous system. Addresses developmental processes throughout. Covers human evolution and ecology with a focus on the global environment. The lab component examines the structure and function of the human body by studying anatomical structure, virtual and inquiry based physiological experiments and continues emphasis on ethics, the environment and related health and wellness issues. Topics studied include cell biology, cell reproduction, tissues, the skeleton, articulations, muscle tissue and muscles. Human Biology I and II can be taken in any sequence. Additional course fee required. Falls. (SIDI) (WECO)

BIDI 2050 Plants and Society (3)

Students discuss how human interactions with plants have influenced human perception and impacted the development of human societies from pre-historic to modern times. The biology of plants (how they grow, reproduce, and function) and human cultivation and use of plants for food, fiber, medicine and recreation are explored in the context of their consequences in shaping human perception of self, culture and society. Springs. (SSDI)