Biology: Human (BIOH)

Courses

BIOH 094 PCE Non-Credit BIOH Class
CEUs: 0-6
Term: (Based on sufficient demand)
Non-credit professional and continuing education (PCE) courses offered to provide condensed coursework to meet the needs of working students and professionals. These courses are eligible for Continuing Education Units (CEUs) and are transcribed on the student's continuing education transcript.

BIOH 104 Basic Human Biology & Lab
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su)
Prerequisite: M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course introduces students to the structure and function of the human body. Topics such as the fundamental principles in organic and inorganic chemistry, cellular metabolism, cellular anatomy, cellular biology and histology will be covered and subsequently applied to the physiology of the body as whole. Organ systems to be covered in this course include cardiovascular, lymphatic, respiratory, nervous, musculoskeletal, endocrine, urinary, digestive, immune, and reproductive.

BIOH 108 Basic Anatomy
Credits: 4
Term: (F, S)
Prerequisite: M 065 or higher and WRIT 095 or higher, or qualifying placement score within the past 3 years
Core Class: Natural Science
This course provides an introduction to human anatomy and basic physiology. Included are fundamental overviews of: biology, chemistry processes as they pertain to the human body. This course serves as a primer for students who are seeking to develop a foundational understanding of the objectives, prior to enrolling in Anatomy and Physiology I & II (i.e. BIOH 201 and BIOH 211).

BIOH 112 Human Form and Function I
Credits: 4 (Lecture only, no Lab)
Term: (F, S, Su based on sufficient demand)
This course is the first in an online, two-course sequence for non-clinical health majors that provides a comprehensive study of the anatomy and physiology of the human body. The course will take a systemic approach covering all body systems. Topics will include structure, function, and interrelationships of organ systems. The course will provide a foundation for students entering non-clinical health careers.

BIOH 113 Human Form and Function II
Credits: 3 (Lecture only, no Lab)
Term: (S)
Prerequisite: BIOH 104 or BIOH 112
This course is the second in a two-course sequence for non-clinical health majors. The course will build on the topics explored in the first semester. Body systems will be covered in greater depth, and the focus will be on the interrelationships between systems. In addition to structure and function, an emphasis will be placed on the body processes that maintain homeostasis. The course will take a problem-based approach, allowing students to use critical thinking skills and apply knowledge from both semesters.

BIOH 201 Human Anat Phys I/Lab (= 301)
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S, Su based on sufficient demand)
Prerequisite: *M 090 or higher (or qualifying placement score within the past 3 years) AND
Prerequisite: *WRIT 095 or higher (or qualifying placement score within the past 3 years) AND
Prerequisite: *A grade of C- or better in either BIOH 104 or BIOH 108 (or qualifying biology placement score within the past 3 years).
This course is an integrated study of the human body in which the histology, anatomy, and physiology of each system is covered. The first part of this two semester course sequence incorporates molecular, cellular, and tissue level of organization for the integumentary, skeletal with articulations, muscular, and nervous systems. Completion of CHMY 121, Intro to Gen Chemistry/Lab is strongly recommended prior to enrollment in this course.

BIOH 211 Human Anat Phys II & Lab (=311)
Credits: 4 (3 Lecture, 1 Lab)
Term: (F, S)
Prerequisite: BIOH 201 with a grade of C- or higher
This course is an integrated study of the human body in which the histology, anatomy, and physiology of each system are covered. The second part of this two semester course sequence involves the study of the following systems: sensory, endocrine, cardiovascular with hematology, lymphatic with immunology, respiratory, urinary with water, electrolyte and acid base balance, digestive with nutrition, and reproductive systems. Laboratory experience will include experimentation, microscope work, observations, and dissection. Upon completion of CHMY 121, Anatomy & Physiology I and II with labs will transfer to MSU–Bozeman as Anatomy & Physiology I and II.