ANATOMY AND PHYSIOLOGY (ANAT)

NOTE: Effective Fall 2019, the Anatomy and Physiology course prefix will be updated from ANAT to BIOL.

Specific course changes include the following:

• Human Structure and Function (currently ANAT 100 and 100L) will become BIOL 127 and 127L.

• Professions in Biology - Human Biology (currently ANAT 104) will be retired; BIOL 104 should be substituted for this course.

• Human Anatomy and Physiology 1 (currently ANAT 211 and 211L) will become BIOL 227 and 227L.

• Human Anatomy and Physiology 2 (currently ANAT 212 and 212L) will become BIOL 228 and 228L.

• Pathophysiology (currently ANAT 280) will become BIOL 280.

ANAT 100 Human Structure and Function
(3 Credits, Fall/Spring/Summer)
(This course was previously BIOL 105.) This is an introductory course for non-science majors on human structure and form. The course will provide a broad survey of the human biology covering 11 body systems, their major components, elementary functions, and some basic system interactions. Using these basic system interactions as foundational material the course will address current issues in human health. PRE/ COREQ: ANAT 100L. (This CWI course meets Idaho State Board GEM competency requirements in GEM 4 - Scientific Ways of Knowing.).

ANAT 100L Human Structure and Function Lab
(1 Credit, Fall/Spring/Summer)
(This course was previously BIOL 105L.) This is an introductory course for non-science majors on human structure and form and fulfills the laboratory component of the GEM Scientific Ways of Knowing requirement. Students will engage with the process of science via making observations, developing questions, using scientific apparatus to collect and analyze data, and communicating the results of scientific work. There is a fee required for lab. PRE/Coreq: ANAT 100. (This CWI course meets Idaho State Board GEM competency requirements in GEM 4 - Scientific Ways of Knowing.).

ANAT 104 Professions in Biology - Human Biology
(3 Credits, Varies)
This course is designed to introduce students to career opportunities, professional development, and current issues in the human biology professions. Students will be encouraged to develop basic job search skills and documents, including a resume, cover letter, online application profiles, and communication competency. In addition, guest lecturers and field trips will provide valuable information to facilitate students in their decision-making process and future course selection.

ANAT 211 Human Anatomy and Physiology 1
(3 Credits, Fall/Spring/Summer)
(This course was previously BIOL 227.) This course is an introduction to the study of structure (anatomy) and function (physiology) of the human body. The following systems are studied: integumentary skeletal, muscular, nervous, and endocrine. Unifying themes of homeostasis and whole body functioning are emphasized. This course conforms to guidelines established by the Human Anatomy and Physiology Society. PREREQ: BIOL 111 and BIOL 111L or MBBS 111 and MBBS 111L (or successful placement exam score). PRE/Coreq: ANAT 211L. (This CWI course meets Idaho State Board GEM competency requirements in GEM 4 - Scientific Ways of Knowing.).

ANAT 211L Human Anatomy and Physiology 1 Lab
(1 Credit, Fall/Spring/Summer)
(This course was previously BIOL 227L.) This course is an introduction to the study of structure (anatomy) and function (physiology) of the human body and fulfills the laboratory component of the GEM Scientific Ways of Knowing requirement. Students will engage with the process of science via making observations, developing questions, using scientific apparatus to collect and analyze data, and communicating the results of scientific work. This course conforms to guidelines established by the Human Anatomy and Physiology Society. Additional fee required for lab. PREREQ: BIOL 111 and BIOL 111L or MBBS 111 and MBBS 111L (or successful placement exam score). PRE/Coreq: ANAT 211L. (This CWI course meets Idaho State Board GEM competency requirements in GEM 4 - Scientific Ways of Knowing.).

ANAT 212 Human Anatomy and Physiology 2
(3 Credits, Fall/Spring/Summer)
(This course was previously BIOL 228.) This course is an introduction to the study of structure (anatomy) and function (physiology) of the human body. The following systems are studied: cardiovascular, immunity, respiratory, digestion, renal, and reproduction. Unifying themes of homeostasis and whole body functioning are emphasized. This course conforms to guidelines established by the Human Anatomy and Physiology Society. PREREQ: ANAT 211 and ANAT 211L. PRE/Coreq: ANAT 212L.

ANAT 212L Human Anatomy and Physiology 2 Lab
(1 Credit, Fall/Spring/Summer)
(This course was previously BIOL 228L.) This course is an introduction to the study of structure (anatomy) and function (physiology) of the human body. Students will develop skill-sets that scientists use to identify, ask and answer questions regarding human body. The following human body systems are studied: cardiovascular, immunity, respiratory, digestion, renal and reproduction. Unifying themes of homeostasis and whole body functioning are emphasized. This course conforms to guidelines established by the Human Anatomy and Physiology Society. Additional fee required for lab. PREREQ: ANAT 211 and ANAT 211L. PRE/Coreq: ANAT 212.

ANAT 280 Pathophysiology
(4 Credits, Spring)
This course serves as a capstone course for the A.S. Biology-Human Biology degree. It provides an in-depth study of human pathological processes and their effects on homeostasis. This course will emphasize the dynamic aspects of disease and will focus on interrelationships among organ systems in deviations from normal functioning. PREREQ: BIOL 113 and BIOL 113L or ANAT 212 and ANAT 212L.