

BIOL 1010 (F/S) Human Anatomy and Physiology I. An introductory study of the structure and function of the human organ systems including the nervous, sensory, muscular, skeletal, and integumentary. This course, which is required for admission to some health science programs, can be used to meet the natural science core education

BIOL 1020 (F/S) Human Anatomy and Physiology II. A continuing study of the structure and function of the human organ systems including the cardiovascular, respiratory, gastrointestinal, reproductive, renal, and endocrine. Four hours of lecture, Prerequisite: BIOL 1010

BIOL 1110 (S) Principles of Biology. Introductory biology for non-majors offered on all delivery platforms. This course is not appropriate for students who wish to pursue a career in the health or natural sciences. This course does not count toward major requirements in Biology, and Biology majors who receive credit for Biology 2110 cannot receive credit for this course. Topics include the hierarchical organization of life, cell structure and function, cellular metabolism, cell reproduction, transmission and molecular genetics, and diversity of organisms. Four hours of lecture, two hours of

BIOL 2110 (F), 2120 (S) General Biology I & II. The first courses taken by all Biology majors and minors and by those preparing for a career in the health sciences. Topics include: molecules of living organisms, energetics, cell structure and function, survey of kingdoms, flowering plants, cell reproduction, ecological relationships, population dynamics, and evolutionary relationships. Four hours of lecture, two hours of

BIOL 2500 (F) Microbiology and Immunology. The fundamental principles of morphology, physiology, virulence of microbes, and vertebrate immune responses. Laboratory experiments in pure culture techniques, classification, and epidemiology will be conducted. This course is not recommended for Biology majors. Four hours of

BIOL 3100 (F) Plant Biology. This course explores topics unique to plants, including plant evolution, diversity, and domestication; physiological strategies that plants use to harvest light for energy, obtain and conserve water, and respond to various environmental cues; and the importance of plants to the local, national and global economies. Laboratory sessions consist of mostly outdoor sessions in plant identification and field trips to various local sites. Four hours of lecture, three hours of laboratory each

Prerequisites: BIOL 2110 & BIOL 2120; CHEM 2110.

BIOL 3800/3830 (D) Internship/Cooperative Education. For a complete description of Internships and Cooperative Education, see the Off-Campus Internship section under Experiential Learning.