BIOH - Biology-Human

BIOH 201. Human Anatomy and Physiology I. 5 Credits. (3 Lec, 2 Lab) F,S,Su
PREREQUISITE: CHMY 121N, CHMY 141, or CHMY 151, with a grade of "C-" or better; priority given to majors requiring this course. General principles of cell and tissue biology that apply to all living systems. Structure and function of skeletal, muscular, nervous, and endocrine systems. Homeostasis, control, and integration of the human body will be emphasized. Laboratory will cover related systems. This course is not repeatable without prior consent of instructor.

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BIOH 365. Human Skeletal Biology. 3 Credits. (3 Lec) Su
PREREQUISITE: BIOH 185 or BIOH 201 or BIOB 260 or consent of instructor. This course will offer students the opportunity to experience a comprehensive, investigative, and analytical study of the human skeleton. Topics will include histology, physiology, bone development, biomechanics, identification and interpretation of skeletal structures, and a study of pathology and trauma.

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BIOH 454. Microanatomy (Histology). 3 Credits. (2 Lec, 1 Lab) F. On Demand.
PREREQUISITE: BIOB 260, or consent of instructor. Covers an introductive microscopic study of mammalian cells, tissues and organs. Emphasizing normal structure and function relating to disease processes in specific organ systems. Class discussion will relate the normal microanatomy to human pathophysiology.

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BIOH 467. Clinical Chemistry I. 3 Credits. (2 Lec, 1 Lab) Su
PREREQUISITE: Acceptance in professional training program. Topics include an introduction to theories and principles with emphasis on all body systems, and the role of instrumentation in the clinical chemistry laboratory.

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BIOH 468. Clinical Immunohematology I. 3 Credits. (2 Lec, 1 Lab) Su
PREREQUISITE: Acceptance in professional training program. Basic techniques in blood banking. Topics to be included are: ABO/Rh typing, antibody identification, transfusion therapy and reactions, donor collection and component preparation.

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BIOH 469. Essentials of Clinical Lab Practice. 1 Credit. (1 Lab) Su
PREREQUISITE: Acceptance in professional training program. Provides an orientation to the program, safety information, phlebotomy training, and an overview of management practices. Also includes instruction in hemostasis, molecular diagnostics and urinalysis.

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BIOH 470. Summer Clinical Laboratory. 12-13 Credits. Su
PREREQUISITE: To take this course, students must be accepted into a professional training program. This is a clinical laboratory science course, which will be conducted at affiliate training programs during the summer of a student's senior year. It includes student lecture and laboratory instruction in clinical immunohematology, clinical chemistry, phlebotomy, clinical hemostasis, clinical microscopy and urinalysis, clinical body fluids, transfusion techniques, and clinical microbiology.

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BIOH 466. Clinical Hematology and Body Fluids. 2 Credits. (1 Lec, 1 Lab) Su
PREREQUISITE: Acceptance in professional training program. Topics include a review of normal hematopoesis; red blood cell, white blood cell, and platelet disorders; body fluid overview; and an introduction to hematology instrumentation.

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BIOH 466. Clin Microbiology I. 3 Credits. (2 Lec, 1 Lab) Su
PREREQUISITE: Acceptance in professional training program. Topics include a review of medical microbiology, virology, mycology, parasitology, and clinical laboratory testing procedures.

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BIOH 594. Seminar. 1 Credit. (1 Sem; 4 cr max) On Demand
PREREQUISITE: Grade standing or seniors by petition and course prerequisites as determined for each offering. Topics offered at the graduate level which are not covered in regular courses. Students participate in preparing and presenting discussion material.

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BIOH 595. Anatomy & Physiology for Tchrs. 3 Credits. (1 Lec. 1 Lab. 1 Rec) Su
PREREQUISITE: Teacher of science with a minimum of two years teaching experience. Must have solid background in life science. This course is designed for high-school and post-secondary instructors who are either currently teaching an anatomy and physiology course or are interested in developing one. The goal of the course is to help instructors develop an A&P curriculum that integrates Next Generation Science Standards. Participants from all A&P instructional backgrounds are welcome and should expect to work in a collaborative environment.

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Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.