**BIOH - Biology-Human**

**BIOH 201. Human Anatomy and Physiology I. 5 Credits.** (3 Lec, 2 Lab) Prerequisite: CHMY 121IN, 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.

**BIOH 464. Clinical Hematology and Body Fluids. 2 Credits.** (1 Lec, 1 Lab) Prerequisite: Clinical Hematology and Body Fluids I. Focus on clinical hematology, clinical chemistry, phlebotomy, clinical hemostasis, clinical immunohematology, clinical chemistry, phlebotomy, clinical hemostasis, clinical immunohematology, clinical chemistry, phlebotomy, clinical hemostasis, clinical chemistry, phlebotomy, clinical hemostasis, clinical immunohematology, clinical chemistry, phlebotomy, clinical hemostasis.

**BIOH 466. Clinical Microbiology I. 3 Credits.** (2 Lec, 1 Lab) Prerequisite: Clinical Microbiology I. Topics include microbiology, virology, mycology, parasitology, and clinical microbiology.

**BIOH 467. Clinical Chemistry I. 3 Credits.** (2 Lec, 1 Lab) Prerequisite: Clinical Chemistry I. Introduction to theories and principles with emphasis on all body systems, and the role of instrumentation in the clinical chemistry laboratory.

**BIOH 468. Clinical Immunohematology I. 3 Credits.** (2 Lec, 1 Lab) Prerequisite: Clinical Immunohematology I. Review of normal hematopoiesis; red blood cell, white blood cell, and platelet disorders; body fluid overview; and an introduction to hematology instrumentation.

**BIOH 470. Summer Clinical Laboratory. 12-13 Credits.** 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.

**BIOH 494. Seminar. 1 Credit.** (1 Sem; 4 cr max) On Demand PREREQUISITE: Graduate 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.

**BIOH 494. Seminar. 1 Credit.** (1 Sem; 4 cr max) On Demand PREREQUISITE: Graduate 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.

**BIOH 464. Clinical Hematology and Body Fluids. 2 Credits.** (1 Lec, 1 Lab) Prerequisite: Acceptance in professional training program. Topics include a review of normal hematopoiesis; red blood cell, white blood cell, and platelet disorders; body fluid overview; and an introduction to hematology instrumentation.

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

**BIOH 467. Clinical Chemistry I. 3 Credits.** (2 Lec, 1 Lab) 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.

**BIOH 468. Clinical Immunohematology I. 3 Credits.** (2 Lec, 1 Lab) 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.

**BIOH 469. Essentials of Clinical Lab Practice. 1 Credit.** (1 Lab) 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.
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.