

BIOMEDICAL & HEALTH SCIENCES (BHSC)

Courses

BHSC 5440. Gr Immunology Lab. 1 Credit.

Provides laboratory experiences in immunology and serology. Designed to reinforce and expand the practical understanding of immunology by providing students with laboratory experiences dealing with cellular and humoral immunity, B cells and T cells, autoimmunity, and other disorders typically diagnosed in the clinical immunology laboratory. Credit not awarded for both BHSC 5440 and BHSC 3440. Pre/Co-requisites: BHSC 3420 or MMG 3230; or Medical Laboratory Science Graduate student.

BHSC 5810. Gr Applied Molecular Bio. 3 Credits.

Explores the fundamental principles underlying molecular biological applications used in basic biomedical research and in clinical diagnostics at the graduate level. Covers the structure and function as well as the extraction of key biomolecules, including nucleic acids and proteins. Credit not awarded for both BHSC 5810 and BHSC 3810. Prerequisite: Medical Laboratory Science Graduate student.

BHSC 5820. Gr Applied Molec Bio Lab. 1 Credit.

The practical concepts of molecular applications will be experienced in the laboratory. Introduces basic methods used in DNA technology including plasmid isolation, polymerase chain reaction, restriction enzyme use, and related assays. Students will gain experience in various molecular biology techniques that are commonly used to monitor and diagnose human health and disease. Credit not awarded for both BHSC 5820 and BHSC 3820. Prerequisite: Medical Laboratory Science Graduate student. Co-requisite: BHSC 5810.

BHSC 5990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

BHSC 5993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

BHSC 6990. Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

BHSC 6991. Internship. 1-18 Credits.

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

BHSC 6993. Independent Study. 1-18 Credits.

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

BHSC 6994. Teaching Assistantship. 1-3 Credits.

Student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

BHSC 6995. Graduate Independent Research. 1-18 Credits.

Student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.