MICROBIOLOGY (MICR)

Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

MICR 805 - Immunology
Credits: 3
An introduction to the fundamental mechanisms of immune function. Topics include the cells and organs of the immune system, humoral and cellular immune responses, the generation of immune cells, and how immune cells fight various infectious pathogens. Prereq: introductory microbiology and lab.

MICR #806 - Virology
Credits: 0 or 3
Principles of animal and selected plant and bacterial virology in relation to infection and disease. Emphasizes the molecular biology of viruses, viral replication, isolation, propagation, assay, pathogenesis, diagnosis, detection, epidemiology, and control. Prereq: introductory microbiology and lab.

MICR #808 - Virology Laboratory
Credits: 2
Principles of animal and selected plant and bacterial virology in relation to infection and disease. Emphasizes the molecular biology of viruses, viral replication, isolation, propagation, assay, pathogenesis, diagnosis, detection, epidemiology, and control. Prereq: introductory microbiology and lab. Special Fee.
Co-requisite: MICR #806

MICR 815 - Immunology Laboratory
Credits: 2
This applied immunology laboratory course highlights both historic and current methodologies important for both elucidation and diagnosis of immune function. Techniques used to study phagocytosis, antibody production, immunodiffusion, and T-cell function will be introduced. Applications of the antibody technologies to other scientific disciplines (ELISA, immunofluorescence microscopy, immunoblotting, etc.) will also be covered. Prereq: introductory microbiology and lab. Special fee.
Co-requisite: MICR 805