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.

Grade Mode: Letter Grading

MICR 815 - Immunology Laboratory
Credits: 2
This applied immunology laboratory course highlights both historic and current methodologies important for 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: General microbiology course with lab. Special Fee.

Co-requisite: MICR 805
Grade Mode: Letter Grading

MICR 835 - Molecular and Cellular Parasitology
Credits: 4
Parasites continue to present a major challenge to public health. Despite their significant impact on human health, many aspects of the molecular and cellular biology of these diverse organisms remain unknown. This course explores the latest research on these fascinating organisms through analysis and discussion of original research papers focusing on three major human parasites. Prereq: Intro to Micro; Genetics; Parasitology or Permission.

Grade Mode: Letter Grading