Course Overview
The goal of this course is to enable students with microbiology and molecular genetics background to further their understanding of the principles and mechanisms of microbial pathogenesis. Main molecular and cellular aspects of pathogenicity and host cell interaction of medically most important bacterial pathogens, viruses, fungi, and parasites will be reviewed. This 4-credit graduate level course is required as a core course for PhD students in the Immunology & Microbiology concentration of the biomedical sciences PhD program and is taught concurrently with the course GMS 6140, Principles of Immunology. Students in other UF graduate programs are welcome to take the course with consent of the course directors. The instructors are trained molecular microbiologists with particular interests in pathogenesis and their labs employ molecular genetics principles and techniques in their research.

Lectures will take place Mondays, Wednesdays and Fridays from 9:35 to 10:25 am in room ARB R-2-265 and the discussions of Special Topics in Infectious Diseases will run Thursdays 9:25-11:30, in room ARB R2-133. In these latter 2-hour-sessions, the students will present and discuss research articles previously selected by the instructors. Attendance and participation of the students in the discussion of papers is required and will be evaluated by the instructors.

Prerequisites General Microbiology, Biochemistry, and Cell Biology

Evaluation
Students will take 4 exams and the grade will be 80% of the final grade. The remaining 20% will come from the evaluations of the discussion sessions.

General Course Materials are available in the ModuleCore using your Gatorlink username and password

Bibliography

- Schaechter’s Mechanisms of Microbial Diseases. 4th Ed. Edited by NC Englebert, V. Dirita, and TS Dermody. Publisher Lippincott William & Wilkins.


Other suggested reading assignments are or will be posted in the moduleCore.