MCB 5505 GENERAL VIROLOGY

Instructors: This course is taught by Drs. James E. Maruniak with the following guest lecturers: Polston, Small and Yamamoto or others. The lectures are Monday, Wednesday and Friday, 8:30 a.m. to 9:20 a.m.

General description: This course is for beginning graduate and honor students in microbiology and related disciplines. The course teaches basic information on families of viruses from humans, plants, insects, animals and bacteria. Lectures cover the basic information of the medical, clinical, diagnostic, biotechnological, and molecular aspects of these viruses.

Prerequisites: Any basic course in microbiology, genetics, biochemistry or molecular biology.

Gatorlink Account "All UF students are required to have an active Gatorlink account. You may obtain a Gatorlink account by logging on to http://www.gatorlink.ufl.edu, or by visiting the Circa lab located across from Turlington Hall and signing up.


*Please note that you MUST be logged on to UF library website or Gatorlink VPN to access this eBook off-campus)

Team-based learning: The course will use the internet to search for current information to answer questions during and after class period for team-based learning. Come prepared with your laptop computer and to interact with other students. Questions related to the principles of virology will be posited for in class discussion followed by construction of multiple choice questions with 5 possible answers, one being correct. Questions must be submitted by each student to e-Learning Canvas for credit to be determined.

Course grade: The course grade will be determined by four exams, each counting 50 points. There are no regular make-up exams. If you miss an exam, one test score can be dropped; however, you can take a comprehensive makeup for one test at the end of the course during the regularly scheduled final exam. The last of four exams will be given before the semester ends. If you miss the fourth test with an acceptable medical or family excuse, you can take a make-up test during the scheduled final exam. All students must take the fourth or final exam with a passing grade or receive an incomplete grade. The test questions are multiple choice with one or more answers. Information for tests will be from lectures, handouts and the course team-based learning. Graduate students are expected to write a portfolio on 5 virus families in a specialty area for their future career and give a 10-12 minute oral presentation in class as a panel discussion (50 points). Letter grades are based on the percent of 200 total points: A=100-90%, B+=89.9-88%, B=87.9-80%, C+=79.9-78%, C=77.9-70%, D=69.9-60% and below 60%=E.