MCB 2000
BASIC BIOLOGY OF MICROORGANISMS
Spring 2013

Dr. Karim Asghari, 1046 Microbiology Bldg.
Office Hours Mondays and Wednesdays 9:30-11:30am
Email: Asghari@ufl.edu
Tel: 352-392-5226 office
352-214-2469 cell

WK Date TOPIC
01. 01-07 Introduction to Microbiology and Microscopy
02. 01-14 Macromolecules and Cellular Chemistry
03. 01-21 Microscopy, Cell Biology
04. 01-28 Microbial Growth, Nutrition
05. 02-04 Bacterial Metabolisms

EXAM I Wednesday January 30, 2013
06. 02-11 Microbial Genetics, Genetic Engineering, Biotechnology
07. 02-18 Classifications of Microorganisms, Virology
08. 02-25 Principal of Diseases and Epidemiology

EXAM II Wednesday February 27, 2013
09. 03-04 SPRING BREAK
10. 03-11 Immunity, Hypersensitivity, Immunodeficiency
11. 03-18 Microbial Growth Control, Antimicrobial Agents
12. 03-25 Public Health, Clinical, and Diagnostic Microbiology

Exam III Wednesday March 27, 2013
13. 04-01 Public Health, Clinical, and Diagnostic Microbiology
14. 04-08 Public Health, Clinical, and Diagnostic Microbiology
15. 04-15 Applied and Environmental Microbiology

Exam IV Wednesday April 24, 2013

COURSE DESCRIPTION (from catalogue): Structure, nutrition and growth of microorganisms; characterization of representative microorganisms and viruses; metabolic properties and introduction to microbial genetics, immunology and pathogenesis of microorganisms.

COURSE OBJECTIVES: Provide student with a foundation in microbiology and explore current areas of interest.
TEXTBOOK: (Required) the textbook for this course is Cowen’s Microbiology Fundamentals, A Clinical Approach. Consult with ISIS for proper ISBN number. This text is a reference that students use to provide the additional information, to help students prepare for the lectures, and to supplement the lectures. Most of the tables and figures used in the lectures come from the textbook.

WEBSITE: The class is on E-learning (Sakai). The class syllabus, lecture presentations, study guides, practice exams and other materials will be posted on E-Learning throughout the semester. Questions about lecture material should be addressed during live lecture sessions, office hours, via email, and on the regularly Q&A sessions. Details and clarifications about class policy will be posted online on a regular basis, and will be announced in class presentations. Students should check their emails and announcements on Sakai on a regular basis (once a day).

Attendance: Attendance is not mandatory. Lectures are recorded live in the classroom during the class period, and will be posted online later in the day. Four scheduled exams are proctored and attendance is mandatory. All exams are held in classroom during the class period. Students take the exams on Sakai using their own laptop computers. Please bring your own laptop computers to the classroom. I strongly advise the students against relying on the extremely limited number of electrical outlets in the classroom, and attend the exam sessions with computers with fully charged batteries and in compliance with University of Florida antivirus policy.

GRADING/TESTS: The final class grade is based on accumulated points
There are four (4) regularly scheduled non-cumulative exams. The course is based on 400 points. A written (short answer) makeup exam is allowed for a missed exam due to an excused absence. Makeup exam contains short answer, fill-in-the blank and matching type questions.

Grading scale (accumulated points):

- A 360 – 400 points
- A- 356 – 359.9 points
- B+ 348 – 355.9 points
- B 320 – 347.9 points
- B- 316 – 319.9 points
- C+ 308 – 315.9 points
- C 280 – 307.9 points
- C- 275 – 279.9 points
- D 240 – 274.9 points
- E 000 – 239.9 points

EXAMS: Exams are on Sakai and students will take them during the scheduled times in the classroom (2nd period). You must be present in the classroom to be able to take the test. You will take the test using your own laptop computers. So bring your fully charged
personal laptops to the scheduled exams. There are an extremely limited number of electric outlets available in the classroom and it is the students’ responsibility to be prepared accordingly. You must also comply with University of Florida antivirus software policy. Update your antivirus software the day before the exams. Exam materials will come from **lectures, lecture notes, and assigned textbook readings.** In some cases information presented in class may conflict with information from other courses or others, especially internet-posted material. In these cases exam questions will be based only on the information available in the textbook, lecture notes, or materials presented during the lecture presentations, and exams will be graded accordingly. A question-answer period will be held prior to each exam to help students prepare and old practice exams/answers will be posted online. Students should use these exams as real assessments of learning rather than study guides. Exams begin promptly at 8:30 AM and end at 9:20 AM. Doors to the exam room will close at 8:45 AM and students will not be admitted after this time. Phones may not be used in the classroom, and students will not be allowed to exit and re-enter the exam room during an exam. Students should bring their personal laptops with a fully charged battery and Gator 1 card.

**ACADEMIC HONESTY:** As a result of completing the registration form at the University of Florida, I assume that every student has signed the following statement: “I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University.”

**STUDENTS WITH DISABILITIES:** Students requesting classroom accommodations should register with the Dean of Students Office. The office will provide documentation to the student, who can then bring the necessary material to the instructor when requesting accommodation. Students who take exams at the DRC must take them as soon as the DRC opens on exam days. DRC students must present documentation about their accommodations during the first week of class.

**UNIVERSITY SUPPORT SERVICES:** Resources are available on campus for students having personal problems or lacking clear career and academic goals that interfere with their academic performance. These resources include:

- University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling.
- Student Mental Health, Student Health Care Center, 392-1171, personal counseling.
- Sexual Assault Recovery Services, 392-1161.
- Student Health Care Center, 392-1161.
- Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

**Useful Links:**
- Center for Disease Control and Prevention: CDC: [http://www.CDC.gov](http://www.CDC.gov)
- Microbiology and Cell Science: MCS: http://microcell.ufl.edu
- College of Agriculture and Life Sciences: CALS: http://www.ifas.ufl.edu
- University of Florida: UF: http://www.ufl.edu