

Course Syllabus: MICR 2330 Microorganisms and Diseases (CRN# 34304) Summer 2016

Classroom: UGLC 216

Instructor: Dr. Roshanak Jafari

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Class Hours: TR 9:30 -11:20 AM; **Office Hours:** TR 11:30 AM – 1:00 PM

Required Text Book:

Eugene W. Nester, et al. Microbiology, A Human Perspective, 7th Ed., 2011 (ISBN: 0073375314).

Important dates:

June 6 **Classes begin**

July 1 **Course drop deadline (Last day to drop with an automatic W)**

July 29 **Last day of classes**

Aug. 1 **Final exam: 10:00 AM**

Course Description

Survey of microorganisms important to humans with emphasis on pathogens. Diagnostic procedures for pathogenicity of and immune responses to the more common pathogens.

Attendance

Attendance in this course is critical to your success. Not only attending lecture aid in your understanding of course material, attendance is mandatory.

Evaluation

Four exams will be given for this course. Three exams will be given during the semester. The final exam will be given during the finals week of this semester.

The exercises (Review Questions) that accompany each chapter will be given. The exercises encourage students to immediately use their newly acquired knowledge and, thus, by practice, improve retention.

Grading

Your grade in this course is based on a combination of exams, and participation in class. Grades are based on a straight percentage scale; there is no curve and no +/- grades are awarded.

So, an A=100-90%, a B=89-80%, a C=79-70%, a D=69-60%, and F=<60%.

Grading Policy:

Exam 1: 20% of final grade

Exam 2: 20% of final grade

Exam 3: 20% of final grade2

Final Exam: 20% of final grade
Attendance: 10% of final grade
Activities and project: 10% of final grade
Total: 100%

Some pop quizzes may be given during the class hours for extra credits. (In total, up to 10% of final grade)

MAKE- UP EXAM POLICY: There is no make-up test!

Academic Integrity Policy: Information on UTEP's Policies regarding academic integrity can be found at <http://academics.utep.edu/Default.aspx?tabid=23785>

Civility Statement: Cell phones are either to be turned off or turned to vibrate during lecture; talking during lecture is not permitted. Please be respectful to all students' right to learn without disruption.

Disability Statement: If a student has or suspect he/she has a disability and needs an accommodation, he/she should contact The Center for Accommodations and Support Services (CASS) at 747-5184 or at cass@utep.edu or go to room 106 in the Union East Building. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Military: If one serves in the military and has the potential of being called up, that fact should be made known to the instructor.

The following schedule is tentative, and the dates of lectures and exams, and the chapters for each exam may be changed.

1st week:

June 7: Introduction & Ch 01: Human and the Microbial World

June 9: Ch 02: The Molecules of Life

2nd week:

June 14: Ch 03: Microscopy and Cell Structure

June 16: Ch 04: Dynamics of Prokaryotic Growth

3rd week

June 21: Ch 05: Control of Microbial Growth & **Exam 1: (Chs 1, 2, 3, 4)**

June 23: Ch 06: Metabolism: Fueling Cell Growth

4th week:

June 28: Ch 07: The Blueprint of life, from DNA to Protein

June 30: Ch 08: Bacterial Genetics

5th week:

July 5: Ch 09: Biotechnology and Recombinant DNA & **Exam2: (Chs. 5, 6, 7, 8,)**

July 7: Ch 10: Identification and Classification of Prokaryotes

6th week:

July 12: Ch 12: The Eukaryotic Members of the Microbial World (I)

July 14: Ch 13: Viruses, Viroids, and Prions

7th week:

July 19: Ch 14: The Innate Immune Response & **Third Exam (Chs 9, 10, 12, 13)**

July 21: Ch 15: The Adaptive Immune Response

8th week:

July 26: Ch 16: Host-Microbe Interactions

July 28: Ch 21: Respiratory System Infections

Final Examination (Monday, August 1, 2016, 10:00 AM, Chs 14, 15, 16, 21)

Rules for tests:

- 1. Cell phones must be turned off!**
- 2. No listening device may be worn!**