Midland College Syllabus
2018 - 2019

BIOL 2421 L
Microbiology Lab
4 Semester Credit Hours
(3 Lecture/4 Lab)

Instructor Information:

Instructor:          Office:
Phone:              Email:
Office Hours:

Notice: Students MUST actively participate by completing an academic assignment required by the instructor by the official census date. Students who do not actively participate in an academically-related activity may be reported as never attended and dropped from the course.

Course Description:
This course is designed to enable students to become familiar with study of the morphology, physiology, and taxonomy of representative groups of pathogenic and nonpathogenic microorganisms. Pure cultures of microorganisms grown on selected media are used in learning laboratory techniques. A brief preview of food microbes, public health and immunology are also included. Prerequisite: BIOL 1406, BIOL 2401, CHEM 1405, CHEM 1411 or permission from the instructor.

Text, References and Supplies:
Lecture Textbook: Bauman, Microbiology w/Diseases by Taxonomy, 5th edition, Pearson,
ISBN: 9780134019192
Laboratory Manual: No lab manual
Students must have access to a working computer throughout the course, either through a campus computer or alternative. Alternative computers must be able to access the Internet and Canvas.

Student Learning Outcomes:
Upon completion of this course the student will:
1. Have a fundamental understanding of the general nature of microorganisms.
2. Have a fundamental understanding of the methods of microbial transfer, parasitism, and infection.
3. Have a fundamental understanding of body defense mechanisms against microbial infection.
4. Have a fundamental understanding of the prevention and control of infections caused by microorganisms.
**Student Contributions, Responsibilities and Class Policies:**

Students will be expected to comply with the policies outlined in the Midland College Student Handbook. Instructor policies concerning attendance and academic behavior are consistent with the policies in the student handbook. Regular attendance is required to do well in this class. Lecture and lab are considered as one class, so any absences in both sections will be combined in order to determine overall absences. Students are expected to complete each assignment, exam, and laboratory exercise.

The last day for withdrawal is published in the catalog and the current course schedule. To drop a course, the student must complete an official withdrawal form with Student Services.

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.

The handling of living microorganisms is REQUIRED for this course. Some of these microorganisms are human pathogens or potential human pathogens. If the student is pregnant, immunocompromised, or has an other special medical condition, the student should consult with his/her physician about these procedures.

A list of safety precautions is given to each student. If a student does not follow good safety guidelines or is deemed a hazard to himself/herself or others, that student may be dismissed from the lab and will be given zeros for the missed grades.

**Attendance Policy:**

It is the responsibility of the students to know the policies and procedures associated with absences. These policies are set by instructors. Excused absences may include, but are not limited to, illness, severe weather, and death in the family. Instructors will determine whether or not an absence is excused.

http://catalog.midland.edu/content.php?catoid=6&navoid=673

**Withdrawal Policy:**

Students who have enrolled in a Texas public institution of higher education as a first-time freshman in fall 2007 or later are permitted to drop no more than six courses during the entire undergraduate career. This limit includes all transfer work taken at a Texas institution of higher education and to second baccalaureate degrees. This statute was enacted by the State of Texas in spring 2007 (Texas Education Code 51.907). Any course that a student drops after Census Day is counted toward the six-course limit if “(1) the student was able to drop the course without receiving a grade or incurring an academic penalty; (2) the student’s transcript indicates or will indicate that the student was enrolled in the course; and (3) the student is not dropping the course in order to withdraw from the institution.” Please visit the Midland College Catalog

**Scholastic Dishonesty:**

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject. Please visit the Midland College Catalog
**Course Schedule:**

This class meets for 3 lecture hours per week and 4 laboratory hours per week. For a tentative schedule of the class meeting and laboratory meetings please refer to the schedule distributed to each student on the first class meeting (See Instructor Handout).

**Evaluation of Students:**

Lecture Average................................................................. 70%
Laboratory Average............................................................ 30%
Grades will be assigned as follows: A=90-100; B=80-89; C=70-79; D=60-69; F=below 60.

Lab grades will be assessed at the instructor’s discretion within the following parameters:

- Daily Grades (may include, but not limited to, homework, quizzes, or other activities) 0-15%
- Homework (may include, but not limited to, homework, quizzes, or other activities) 0-15%
- Exams: (0-6 exams may be given during the semester) 45-100%

Final Exam: 0-25%

**ADA Statement:**

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester.

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies:

**Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu.** For further information on notice of non-discrimination, visit [http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm](http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm) or call 1 (800) 421-3481.
Spanish

Midland College no discrimina por motivos de raza, color, nacionalidad, sexo, discapacidad, o edad en sus programas o actividades. Las siguientes personas han sido designadas para responder a cualquier pregunta o duda sobre estas políticas no discriminatorias: Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu; Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu. Para más información sobre estas políticas no discriminatorias, visite http://wdcroblogcolp01.ed.gov/CFAPPS/OCR/contactus.cfm o llame al 1 (800) 421-3481.

Math/Science Division Information:

Division Dean: Dr. Margaret Wade 125 AHSF 432-685-4615
Dept. Chair: Dr. Miranda Poage 155 FSB 432-685-6754
Division Secretary: Mrs. Carol Prichard 124 AHSF 432-685-6404
Division Clerk: Ms. Sarah Anderson 124 AHSF 432-685-6896

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