

## **Midland College Syllabus**

2022 - 2023

BIOL 2420 Lecture

Microbiology for Non-Science Majors

4 Semester Credit Hours

(3 Lecture/4 Lab)

### **Instructor Information:**

**Instructor:** [Click here to enter text.](#)

**Phone:** [Click here to enter text.](#)

**Office Hours:** [Click here to enter text.](#)

**Office:** [Click here to enter text.](#)

**Email:** [Click here to enter text.](#)

**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:**

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. Includes a brief preview of food microbes, public health and immunology. Prerequisite (s): Satisfied TSI readiness in ELAR and MATH or met multiple measures requirements in ELAR and Math.

### **Text, References and Supplies:**

Lecture Textbook: Bauman, Microbiology with Diseases by Taxonomy, 4<sup>th</sup> ed. 2014, Pearson/Benjamin Cummings. ISBN: 978-0-321-81931-4: Optional.

Computer: Access to a working computer throughout the course with the ability to access the internet and Canvas.

### **Student Learning Outcomes:**

Upon completion of this course the student will:

1. To identify and recognize the differences between prokaryotes and eukaryotes.
2. Demonstrate theory and practice of the methods of microbial transfer, parasitism, and infection.
3. Demonstrate theory and practice of body defense mechanisms against microbial infection.
4. Demonstrate theory and practice 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 recommended to do well in this lecture. Attendance is mandatory for laboratory. Any student that misses 50% of the labs in a given unit of study may not be allowed to take the exam for that unit.

**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. Please visit the [Midland College Catalog](#)

**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 meetings 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.

Lecture grades will be assessed at the instructors' discretion within the following parameters:

Daily Grades (may include, but not limited to quizzes or other in class/lab activities).....0-15%

Homework (may include, but not limited to, homework, quizzes, or other activities) .....0-15%

Exams: Major exams given during the semester..... 0-100%

### **Non-Discrimination Statement**

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

#### **Tana Baker**

Title IX Coordinator/Compliance Officer

3600 N. Garfield, SSC 131

Midland, Texas 79705

(432) 685-4781

[tbaker@midland.edu](mailto:tbaker@midland.edu)

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

### **Americans with Disabilities Act (ADA) Statement:**

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit [www.midland.edu/accommodation](http://www.midland.edu/accommodation) and complete the Application for Accommodation Services located under the Apply for Accommodations tab. Services or accommodations are not automatic, each student must apply and be approved to receive them. All documentation submitted will be reviewed and a "Notice of Accommodations" letter will be sent to instructors outlining any reasonable accommodations.

### **Continuity of Instruction Statement**

In the event that on campus activities are suspended due to extenuating circumstances, such as weather or quarantine, the instructor will continue instruction in a manner that best supports the course content and student engagement. In this event, your instructor will notify students of the change via [Click here to enter text.](#) At that time, they will provide details about how instruction and communication will continue, how academic integrity will be ensured, and what

students may expect during the time that on campus activities are suspended. If a student becomes unable to continue class participation due to extenuating circumstances, (e.g., health and safety, loss of power, etc.) the student should contact their instructor and advisor for guidance. Resources are available to students via the SOS program. Information can be found at <https://www.midland.edu/services-resources/student-services/sos.php>.

### **Grievances or complaints**

Concerns should be expressed as soon as possible to allow for early resolution. Midland College encourages students to discuss their concerns with their instructor first. If you feel uncomfortable discussing your situation with your instructor, students should discuss their concerns with the Chair of the appropriate department (Biology Chair – Mr. Tomas Hernandez (432-685-6751), Chemistry Chair – Mr. John Anderson (432-685-6737), Engineering and Physics Chair – Dr. Brian Flowers (432-685-4586), Geology Chair – Mr. Antony Giles (432-685-5580), Kinesiology Chair – Ms. Sheena Thompson (432-685-4579), Math Chair – Dr. Krista Cohlma (432-685-4541) then the Dean of Math and Science – Dr. Miranda Poage (432-685-4561). If a resolution is still not possible, students may proceed with the formal complaint process.

<http://catalog.midland.edu/content.php?catoid=14&navoid=2579#grievances-and-complaints>

### **Math & Science Division Information:**

Division Office: AHSF 124 (432) 685-4561  
Division E-Mail: [mns@midland.edu](mailto:mns@midland.edu)

Department Chair: Mr. Tomas Hernandez (432) 685-6751  
Dean: Dr. Miranda Poage  
Secretary: Sarah Anderson  
Clerk: Liliana Orcutt

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