

Medical Microbiology Syllabus
Ben Barber Career Technology Academy

Instructor: Annette Gonzales
 Work Email: annettegonzales@misdmail.org - Emailing is the best way to contact me!!
 Work Phone: 682-314-1600

Course Information:

Students will study the relationships of microorganisms to wellness and disease. Students will develop knowledge and skills related to disease prevention by learning chain of infection, asepsis, and standard precautions. Pathogenic and non-pathogenic organisms will be identified to assist the understanding of specific diseases, causative agents, and treatment options. This a non-certification course, however, is considered as part of the requirements to be eligible for future certification courses in health science. Students will receive a Science Credit for this course on successful completion of this course. Students are encouraged to participate in Health Occupations Students of America (HOSA), a co-curricular youth organization. (Grades 11-12)

Recommended Supplies:

- Spiral
- Paper
- Pen/Pencil
- Ipad - We will be using google classroom amongst other things, so please bring a fully charged Ipad to class daily.
- Project supplies when needed

Semester At A Glance (Schedule Subject to Change)					
Course Title					
1st/4th Grading Period		2nd/5th Grading Period		3rd/6th Grading Period	
Unit of Study :	Laboratory Safety; Laboratory Basics; Standard Precautions	Unit of Study :	Chain of Infection; Handwashing, Analysis of Current Infection Control, Disease Transmission	Unit of Study :	Intro to Mycology, Intro to Virology, Emerging Infectious Disease
TEKS :	130.225 (c) 2:A,B; 3:F,G	TEKS :	130.225 (C) 3B,E,F,G,H,I,J	TEKS :	130.225 (c) 4:B-F;5:A,B;6:C,D,F,G,I;7:A,B,C,D,E,H
Unit of Study :	Standard Precautions; Quality Control	Unit of Study :	Microorganisms, Bacteria, Streaking Agar & Agar Plates, Bacteria Growth Characteristics	Unit of Study :	Parasitology, Immunity
TEKS :	130.225 (C) 2A,3 E,F,G,H; 4A	TEKS :	130.225 (c) 2:A,B;3:A-J;4:D;6:A,C,D,E,F,G,I;7:A,B,D	TEKS :	130.225 (C) 4D,F;5A;6C,D,E,F,G,I;7A,B,C,D,E,H
Unit of Study :	Intro to Micro & History of Med Micro	Unit of Study :	Growth of Microorganisms; Gram Stain; Nosocomial and Antibiotic Resistance	Unit of Study :	Investigative Labs Semester Recap Final Exam
TEKS :	130.225 (c) 3:A,B,C,D;4:D,E;5:A,B	TEKS :	130.225 (c) 2:A,B;3:A-J;4:B,C,D;6:B,C,D,G,H,I,J;7:A,B,D,F,G,H	TEKS :	130.225 (C) 1A,B;2A;3E,F;6C,D

Google Classroom: A classroom code will be needed in order to join and submit ALL electronic work.

First Semester:

1st grading period	8/16 - 9/29
2nd grading period	10/2 - 11/3
3rd grading period	11/6 - 12/21

Second Semester:

4th grading period	1/09 - 2/16
5th grading period	2/20 - 4/13
6th grading period	4/16- 5/23

CERTIFICATIONS: No certification received in this course

GRADING POLICY:

Six weeks grades shall be obtained by averaging daily work (homework, class work, or daily/pop quizzes, MISD Curriculum Based Assessments, etc,) and major grades (tests, projects, lengthy assignments, etc). The exceptions include science classes which include grades for labs, English classes which include grades for writing assignments, and Foreign Language which include grades for speaking/listening. Daily assignments may count more than once, but no more than twice.

POSTING STUDENT WORK:

Student grades will be posted in Skyward parent portal within five business days for daily grades and major grades special consideration is given to major projects, including lengthy writing assignments. Parents and students wanting more frequent grade status updates are encouraged to request a password and user name to access the district's Family Skyward Access Program. Skyward can be found on the school's website.

MISD GRADING SCALE:

- A = 90 – 100
- B = 80 – 89
- C = 70 – 79
- F = Below 70
- I = Incomplete work (not considered an academic grade)

GRADING PRECENTAGES:

Tests/Projects	50%
Labs	30 %
Daily Work/Quizzes	20%

NUMBER OF GRADES EACH SIX WEEKS

- Regular Classes: 8 grades (minimum)
- Pre-AP/AP Classes: 8 grades (minimum)
- All Classes: 2 grades minimum per each grading category
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SEMESTER GRADES

- Semester grades are computed by averaging the numerical grades recorded for each of the three six week reporting periods and the course semester exam.
- All courses
 - First Six Weeks = 26% Second Six Weeks = 27% Third Six Weeks = 27%
 - Semester Exam = 20%
- Course credit is awarded with a grade of 70 or higher. If a student fails either semester of any MISD yearlong course and passes the opposite semester with a high enough grade for an overall average of 70 for the full course, a full credit will be granted. In this situation, for averaging to occur, the courses must have been taken during the same school year and in consecutive semesters.

STUDENT WORK

The amount of time to complete assignments may vary with each student's study habits, academic skills and selected course load. This includes major projects such as research reports, book reports, major essays, and other assignments teachers designate as major projects.

LATE WORK

- Teacher designates due date and time for assignment (Beginning of class period, End of class period, designated time of day)
- If student fails to meet the due date and time, then the student has till the next class period (next A day or B day) to turn in assignment to be considered one day late.
- Students will be assessed a penalty of 30% points for up to one class period late.
- Score of a zero may be given for work turned in after one day late. MISSED EXAMS OR ASSIGNMENTS: (administration will be notified for special circumstances)
- Daily Work/Labs: Students are expected to ask for and makeup missed assignments; missed assignments will be treated as late work once administered and due date is set.
- Major Work: missed exams are to be completed immediately upon returning to school; late work policy will be effective upon student return.

TEST RETAKES

- Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. This does not include semester examinations.
- Students are expected to make arrangements with the teacher to retake or correct a major test/assessment.
- Students are encouraged to participate in tutoring opportunities before retaking a test.
- Each teacher will communicate routine requirements for retakes and corrections in his/her course syllabus.
- All retakes or corrections must be completed prior to the end of each six week grading period unless the student is afforded time, after the six week grading period, as a result of the district's absent/make-up guidelines.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility

TUTORIALS:

If you are having any problems with the assignments, or have a failing grade, tutorials are available for you to get help. Tutorials are offered Monday-Friday after school (until 3 pm), unless I am scheduled for a meeting, out for the day, or have hall duty. Extended Tutorial Hours are available upon request and/or as deemed necessary.

POSTING STUDENT WORK

Student grades will be posted in Skyward parent portal within five business days for daily grades and major grades. Special consideration is given to major projects, including lengthy writing assignments.

WEIGHTED CREDIT

Per MISD Board Policy EIC (LOCAL):

- The District uses a weighted numerical grading system. In calculating GPA, ten points (per semester) shall be added to a student's average in Advanced Placement (AP), Pre-AP, Academic Decathlon, and courses considered to be District-approved college level dual credit courses. All other courses shall not receive weighted points for completion.
- No weighted credit point shall be added for grades lower than 70.
- Weighted grading shall be reflected in the student's GPA and not numerically per course on either the student's report card or transcript.

UIL ELIGIBILITY ("No Pass/No Play")

- Semester grades are computed by averaging the numerical grades recorded for each of the three six week reporting periods.
- Each six week grading period will stand alone for eligibility purposes.
- A student who is declared academically ineligible after a six week grading period will be able to regain eligibility if all of the student's grade averages are 70% or higher at the subsequent 3 week grade reporting period.

- See MISD Board Policy FM (LOCAL) – Exempt Courses.

CLASS PARTICIPATION: Students will be expected to participate in class and in lab groups. The class will be structured to allow students to master time management. This requires students to take the responsibility for the time they spend in class. Students will have the opportunity to complete most/all of the work in class if they remain on task. Some of the materials we use will not be available outside of class, so they are encouraged to use class time wisely.

RESTROOM/LEAVING CLASSROOM: Students are to remain seated, listening/working, and raise their hand to ask a question or leave the room during at all times. No restroom breaks are allowed during lecture or instruction. Allowing students to leave the classroom will be at the discretion of the instructor, unless otherwise noted by administrator.

TARDY TO CLASS:

Students not in the classroom when the tardy bell rings will be considered tardy. Consequences will follow MISD policy.

ENTERING THE CLASSROOM:

Students are expected to enter the classroom in an orderly manner. **ID's are required to visible and worn by the student.** Students will need to look at the white board/overhead in the front of the room for the day's agenda and any assignments that are due. You are expected to start working on the Start-Up or Warm-Up activity that is listed as soon as the tardy bell rings.

CONSEQUENCES:

Consequences for classroom violations are based upon the severity of the violation, the behavior/attitude of the student, and the frequency of the violation. I reserve the right to

Consequences include:

- Verbal warning to student.
- One-on-one conversation with student (will have another staff member present)
- If electronic device - taken up and turned into office
- Call home
- Office referral and call home.

LAB SAFETY:

Science is a lab-based class and it is of utmost importance that students become familiar with and follow all lab safety rules, lab procedures, and oral instructions. A MISD safety contract will be completed and turned in by each student before they are allowed to participate in a lab activity. Failure to turn in the safety contract will prevent a student from participating in lab. Students will also be required to take a lab safety test in which they must make a 100 before performing any lab.

Cell Phones:

ABSOLUTELY NO CELL PHONES IN THE LAB AREA! It is not appropriate to use cell phones during the class period for any reason, unless the teacher has identified an educational reason. The school will not be responsible for damaged, lost, or stolen telecommunication devices. If a student uses a telecommunications device without authorization during the school day, the device may be confiscated.

ACADEMIC DISHONESTY: MISD POLICY WILL BE FOLLOWED.

Teachers determine what constitutes cheating and/or plagiarism.

Consequences for academic dishonesty

Daily Work

- Every Offense
- Academic and Disciplinary Consequences
- Assign grade of zero

- Write a referral
- Teacher contacts parents
- Consequence from administrator would be a minimum of AC placement

Exams or Other Major Assessments

- Every Offense
- Academic and Disciplinary Consequences
- Assign grade of zero
- Write a referral
- Teacher contacts parents
- Consequence from administrator would be a minimum of AC placement
- An alternative exam or major assessment can be completed for a maximum grade of 70%
- Academic Associate is notified and will schedule a meeting with student, parent and teacher

SELECTION PROCESS FOR UPPER LEVEL COURSES: -

Step 1: Ben Barber administration determines the number of seats available, per campus, in each Health Science course identified and will share this information with the campus counselors.

Step 2: Students request courses through the counselors at their home campuses. Counselors will verify pre-requisites to ensure students are eligible for the course before the student is allowed to request a course. Students that have not met the pre-requisites will not be considered for any of the identified Health Science courses.

If the number of students requesting the course exceeds the number of seats available, the BBCTA administration will use the following selection process:

Step 1: Rubrics will be completed on an as needed basis. Health Science teachers will complete a rubric and submit this rubric on students they are NOT recommending for upper level placement. A copy of the rubric is available upon request.

Step 2: Completed rubrics will be evaluated by an administrator.

Step 3: Seniors will have priority over underclassmen as long as prerequisites and rubrics have been met.

Step 4: After senior placement, names will be drawn for remaining seats and five to ten alternates.

COMPUTER LAB PROCEDURES: MISD POLICY

- 1) Students must have proper student ID and campus authorization before use of computer equipment is allowed.
- 2) Students' internet activities should be directly related to the current assignment.
- 3) Students are to log-off the computer at the end of each session. The last class of the day should shut down the computer being used.
- 4) Students will not download software or data nor install software unless specifically instructed to do so by the teacher.
- 5) Students may not bring outside media into a computer area without prior approval. This would include USB drives, floppy disks, CDs, DVDs, or any other form of electronic media.
- 6) The use of the district network services is a PRIVILEGE, not a right. Students will follow the acceptable use policy of Mansfield ISD at all times. Inappropriate use may result in the cancellation of those privileges.
- 7) Violations will be referred to a campus administrator for disciplinary or legal action.

Group Norms:

We will be courteous to teachers, classmates, MISD staff, and visitors at all times.

We will come prepared to class – id, ipad, pencil/pen, notebook, etc.

We will all participate – random daily grades given for participation.

We will respect each other and all EQUIPMENT at all times!

We will remain seated until the bell rings to dismiss the class.

Medical Microbiology Syllabus Confirmation

Signatures will serve as acknowledgement that the student and parent(s) have read and understand the course syllabus found on Google Classroom.

Student Name: _____

Home Campus: _____

Student Signature: _____

Date: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Parent/Guardian Email: _____

Daytime telephone # _____

Date: _____

