

Medical Interventions Syllabus
Torah High School 2026-2027
Instructor: Tracey Milani, Ph.D.
Student & Parent Contact: Jupiter Messages

Welcome to Medical Interventions (MI)! MI is an advanced course in the PLTW Biomedical Pathway and is an Honors UC-D level lab science course. MI allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. The course closely aligns with Introductory Biotechnology at Miramar College. At the end of the course, students will have the opportunity to take an articulation exam to possibly earn college credit for Biol131 at Miramar College.

Required Materials

Please bring these items to class every day:

- *A 3-ring binder with lined paper (not digital),*
- *calculator,*
- *Biol 131 lab manual (provided), and*
- *a computer (please make sure it is charged; you will need a computer during class meetings).*

The curriculum will be accessed using mypltw.com and Jupiter.

Communication

The best way for students and parents to reach me is through Jupiter Messages. I encourage students to be proactive in communicating with me. If you know that you will miss a day, let me know ahead of time. If you have any questions at all, send me a message in Jupiter or ask before or after class.

Parents, please feel free to reach out via Jupiter at any time. My goal is for each student to be successful in this course and to foster a love of the sciences. I will typically respond to emails within 24 hours on weekdays. It may take me a little longer to respond if I am contacted on Friday or over the weekend.

Grading Scale

All course work will be awarded point values, and the final grade will be based on total points earned. All grades will be posted in Jupiter.

Formative Work

Formative work includes homework, class warm-ups, quizzes, study guide creation, pre-labs, etc., and is assigned to help students learn concepts in preparation for summative work.

Summative Work

Summative work includes unit tests, midterms, and alternative assessments (such as presentations, lab practicals, posters, papers, projects, etc.).

Final Grades earned follow the Torah High Grading Scale as outlined in Jupiter.

Articulation Exam

This class articulates with Miramar College's Biol131 course. Students who earn a C or better in both semesters of MI and pass the articulation exam with a minimum of a B (80%) can submit a petition to Miramar College to earn 4 units for Biology 131. If the petition is submitted to Miramar College, the *grade earned on the articulation exam* will appear on the student's San Diego Community College transcript. The grade earned in the MI course will appear on their high school transcript.

Attendance and Late Work

Attendance is critical. There are many things that we do in class that cannot be made up, such as labs. Please understand that students are responsible for all class content, even if they are absent.

Whenever a student is absent for any reason it is their responsibility to find out what they missed/how to make up work. In the case of an excused absence:

- Formative Work is due by the start of the class day after your return. It is the student's responsibility to check for missed work and make up any missed assignments. Make sure absences are excused in a timely manner, or full credit will not be received.
- Summative Work can be made up the class day that the student returns. Please note that this means the student will miss what we are working on in class that day.
- It is the student's responsibility to make arrangements to make up missed assessments and in-class work. Labs may not be available to makeup. An alternative lab will be assigned, if possible.

In the case of truancies/unexcused absences, late work will not be accepted, and the student will earn 0 points on the graded item(s) (formative and/or summative).

General late work: If a student attended class but did not turn in a graded item by the due date/time, late work will be accepted for a period of one week after the due date/time for a reduced point value. Typically, there is a 5% deduction on the earned score per day late up to the 7-day mark, after which no work will be accepted.

Tardiness

Please see the Torah High School policy on attendance.

Academic Honesty

Do your own work. Plagiarism/cheating earns 0 points on the assignment, a phone call home, and a possible conference. **You always need to do your own work and write answers in your own words even if you are working with a partner.** If you turn in an identical assignment as another person, it is cheating. If someone takes your work and copies it, both parties will still be held accountable. The level of use of AI tools in this course will be detailed on each assignment. Failure to adhere to specified guidelines constitutes academic dishonesty.

Safety

Goggles and other personal protective equipment must always be worn during lab activities.

Students who are negligent during lab activities (safety violations) will receive a 0 on the lab assignment and a phone call home.

A note to parents/guardians

Thank you for taking the time to review this syllabus with your student. This should be a fun and engaging course. If you have any questions or concerns at all, please contact me. I look forward to working with you to help your student succeed.

Sincerely,



Tracey Milani, Ph.D.

Medical Interventions Instructor