
IBMS 6200	Lab Rotations	Credit Hours: 2
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Semester: Fall	Year: 2026
Class Day/Time: Based on rotation	Class Location: Based on rotation

Instructor of Record: Dr. Mitsuo Ikebe

Office: Department of Cellular and Molecular Biology Room 104,

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Office Hours:, Any time by appointment,

Course Description: A graduate-level, research-based course designed to provide the student with numerous short-term research experiences in various research labs, and to gain an in-depth understanding of various biomedical research areas for the purpose of selecting a dissertation lab and project.

Prerequisite: As per program admission

Co-requisite: None

Goals of Course:

1. To provide the student with an introduction to advanced research techniques.
2. To provide a research foundation that may lead to a doctoral dissertation project.
3. To provide basic research experiences in topical areas not offered as a course but that may be required for a dissertation project.

Student Learning Outcomes (SLO or “course objectives”):

1. The student will demonstrate the ability to conduct research in different lab environments.
2. The student will demonstrate the ability to explain and discuss the experiments performed in the rotation lab.
3. The student will demonstrate the ability to explain and discuss the research being conducted in the rotation lab.
4. The student will demonstrate the ability to maintain a lab notebook describing the experiments performed.
5. The student will demonstrate the ability to review and discuss relevant literature and their significance as it relates to each rotation lab’s focus.

Subject-specific Skills:

Based on rotation

Course Assessment/Methods of Evaluation:

Students will prepare a summary report of the experiments performed and techniques exposed to during each rotation.

Linked Program Learning Outcomes:

The student learning outcomes listed above address the following Integrated Biomedical Sciences Program PLO domains:

- PLO2 - Research Methods and Analysis domain

- PLO3 - Scholarly domain
- PLO4 - Professionalism domain

Textbook:

None.

Course Content:

Varies as per the specific lab rotation

Other Class Policies**Attendance:**

Regular or punctual attendance is expected. If a student misses a class or lab, the student is responsible for obtaining any information distributed during those times. Make-ups are possible only under certain instances (labs cannot be made up). Arrangements for any make-ups and/or missed labs should be discussed directly with the instructor for that day's class.

Participation:

As per rotation lab selected

Academic Honesty:

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

Cheating

Dishonesty of any kind involving examinations, assignments, alteration of records, wrongful possession of examinations, and unpermitted submission of duplicate papers for multiple classes or unauthorized use of keys to examinations is considered cheating. Cheating includes but is not limited to:

- Using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class.
- Falsifying or inventing any information, including citations, on an assigned exercise.
- Helping or attempting to help another in an act of cheating or plagiarism.

Plagiarism

Plagiarism is presenting the words or ideas of another person as if they were your own. Materials, even ideas, borrowed from others necessitate full and complete acknowledgment of the original authors. Offering the work of another as one's own is plagiarism and is unacceptable in the academic community. A lack of adequate recognition constitutes plagiarism, whether it utilizes a few sentences, whole paragraphs, articles, books, audio-visual materials, or even the writing of a fellow student. In addition, the presentation of material gathered, assembled or formatted by others as one's own is also plagiarism. Because the university takes such misconduct very seriously, the student is urged to carefully read university policy [Sec. 8-802. Academic Dishonesty](#). Examples of plagiarism are:

- Submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another.
- Submitting a work that has been purchased or otherwise obtained from an Internet source or another source.
- Incorporating the words or ideas of an author into one's paper without giving the author due credit.

Adding/Dropping:

The official deadline for adding and dropping courses is as published in the academic calendar ([Registrar Withdrawal webpage](#)). However, students are strongly encouraged to meet with their graduate advisor or the Program Coordinator prior to adding/dropping courses. Movement into and out of classes after the 4th class day requires approval of the Program Director. Each student is responsible for their own enrollment status with the university.

Disability Accommodations:

UT Tyler HSC abides by Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, which mandate reasonable accommodations be provided for students with documented disabilities. If you have a disability and may require some type of instructional and/or examination accommodations, please contact me early in the semester so that I can provide or facilitate provision of accommodations you may need. If you have not already done so, you will need to register with the Student Services Office (located on the main campus). You may call 903-566-7079 for more information.

A listing and description of all student policies can be found here: [Manual of Policies and Procedures for Student Affairs](#).

AI Tools:

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

For this course, **AI is not permitted in this course at all.**

To best support your learning, you must complete all graded assignments by yourself to assist in your learning. Doing your own work, without human or artificial intelligence assistance, is best for your efforts in mastering course learning objectives. This exclusion of other resources to help complete assignments includes artificial intelligence (AI). Refrain from using AI tools to generate any course context (e.g., text, video, audio, images, code, etc.) for any assignment or classroom assignment.