Expectations for the course Bio231

Learning Objectives and Outcomes

• Overview selected important topics in current cell biology.
• Understand common techniques used to address cell biological questions
• Understand how to define a scientific hypothesis and to develop experiments to test it correctly.
• Be able to read, interpret, critically analyze and evaluate or present scientific data from the primary literature in cell biology.
• Be able to discuss advantages and limitations of observational research for specific cell biological questions.
• Appreciate of the role of controls in these studies

What the Bio231 instructors will do for you

• Provide insight into selected topics in cell biology
• Provide insight into how cell biological experiments are conducted
• Create an environment that supports student learning and participation
• Support students in their efforts to identify sources for background reading (if necessary)
• Arrive on time
• Post lecture slides by 5 pm the day before lecture
• Prepare students for the final exam by providing examples for the type of questions that will be asked

What the Bio231 instructors will expect of you

• Arrive on time and attend all lectures
• Participate in class. Ask questions during class and contribute actively to discussions.
• Complete all assignments on time (reading of assigned journal articles (reviews or primary research articles, homework assignments).
• Each student will give a 40-45 min presentation on an assigned paper
• Prerequisite: Introductory-level knowledge of cell biology: If you have NOT taken cell biology before, you will likely need to do background reading in textbooks, review articles, or online to supplement the lectures. Faculty can provide suggestions for good sources, but you are responsible for this reading. There is no textbook for this class. This is a primary literature-based course.
• Treat instructors and peers respectfully.
• Laptops, iPads or phones should not be used during class.