

BIOLOGY 628-001: CELL BIOLOGY OF DISEASE

INSTRUCTOR:	Christopher Trimby, Ph.D	EMAIL:	ctrimby@njit.edu
OFFICE:	442 Colton Hall	COURSE WEBSITE:	moodle.njit.edu
OFFICE HOURS:	M, R: 1:00pm - 330pm	COURSE SCHEDULE:	M, R: 4-525pm, FMH409

COURSE DESCRIPTION:

This course will briefly review normal physiological function of humans and will then extensively explore the basis of many human diseases at cellular level. The goal is to understand how alterations in normal cell functions affect human physiology by reviewing current research in the field of cell biology. The other main areas of emphasis of this course are learning to interpret research results, communicate science and design experiments.

REQUIRED MATERIALS:

Course has no textbook (though reference textbooks may be useful. If you'd like suggestions for one, just ask.) Materials will generally be provided via [Moodle](#), or the student will be responsible for using the internet/library to find them. **Please ensure you can access the Moodle as soon as possible!**

GRADING POLICY:

Your grade for this course will be determined based on a number of components (the breakdown is on the right).

Lecture:	Points
Take Home Quizzes (3)	90 points
Presentations (4)	120 points
Assignments	170 points
Evaluations	10 points
TOTAL	500 points

ATTENDANCE, MAKE-UP, AND LATENESS POLICY:

This is a graduate course that is entirely focused on discussion and presentation; therefore attendance at class is **required**. If you must miss class for a valid reason, you must contact the instructor immediately. Missing more than 3 classes will result in a one letter grade deduction. **Late assignments will be deducted 10% of the points available for each 24 hours after the assignment was due.** This is true for ALL assignments, including providing materials associated with your presentations.

ACADEMIC DISHONESTY:

The course has a zero tolerance policy for academic dishonesty, including plagiarism and cheating. Instances of dishonesty will be punished by a zero on the assignment, and consultation with the office of the Dean of Students to determine if further action is required. If you have any questions about what constitutes plagiarism or cheating, please ask or refer to the academic integrity code: <http://www.njit.edu/academics/integrity.php>



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COURSE OUTLINE: *Dates listed are a rough plan; Approximate weekly dates for assignments are listed, but please take this as a rough outline.

WEEK OF	WEEKLY TOPIC	ASSIGNMENTS
9/1	Monday – No Class Labor Day Thursday – Syllabus, Course Expectations/Goals	
9/8	Monday – Presentation Basics Thursday – Dissecting Papers	
9/15	Monday – Dissecting Papers Thursday – Cell Biology Basics	Prepare presentations on Techniques
9/22	Monday – Cell Biology Basics Thursday – Cell Biology Basics	Create Crib Sheet on Cell Bio Basics
9/29	Monday – Cell/Molecular Techniques Thursday - Cell/Molecular Techniques	Take Home Exam 1 (Due 10/6)
10/6	Monday – Example Presentations Thursday – Example Presentations	
10/13	Monday – Student Presentations Thursday – Student Presentations	
10/20	Monday – Student Presentations Thursday – Student Presentations	
10/27	Monday – Student Presentations Thursday – Student Presentations	Take Home Exam 2 (Due 11/3)
11/3	Monday – Student Presentations Thursday – Student Presentations	
11/10	Monday – Student Presentations Thursday – Student Presentations	
11/17	Monday – Student Presentations Thursday – Student Presentations	
11/24	Monday – Workshop Day Thursday – No Class Thanksgiving	Take Home Exam 3 (Due 12/1)
12/1	Monday – TBD Thursday - TBD	
12/8	Monday – Workshop Day Thursday – No Class Reading Day	
FINALS	FINAL EXAM WEEK: DECEMBER 15-19, 2014	