INSTRUCTOR: Christopher Trimby, Ph.D
EMAIL: ctrimby@njit.edu
OFFICE: 442 Colton Hall
OFFICE HOURS: M, R: 1:00pm - 3:30pm
COURSE SCHEDULE: M, R: 4-5:25pm, 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).

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td></td>
</tr>
<tr>
<td>Take Home Quizzes (3)</td>
<td>90 points</td>
</tr>
<tr>
<td>Presentations (4)</td>
<td>120 points</td>
</tr>
<tr>
<td>Assignments</td>
<td>170 points</td>
</tr>
<tr>
<td>Evaluations</td>
<td>10 points</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>500 points</strong></td>
</tr>
</tbody>
</table>

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](http://www.njit.edu/academics/integrity.php)
**Course Syllabus**

**FALL 2014**

---

**BIOLOGY 628-001: CELL BIOLOGY OF DISEASE**

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

<table>
<thead>
<tr>
<th>WEEK OF</th>
<th>WEEKLY TOPIC</th>
<th>ASSIGNMENTS</th>
</tr>
</thead>
</table>
| 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 |