LEARNING GOALS & OBJECTIVE:

- This is a seminar style course where peer reviewed journals articles and the latest scientific advances will be identified, reviewed and assessed as a class.
- The instructor will only provide background and demonstration in the early portion of the Fall 2016 semester as indicated by the dates listed in the course outline.
- Only if necessary, will the course instructor add to the course materials - once the background/demonstration period is over, students will be solely be responsible for course progression.
- Students are required to utilize various medical, scientific and technology databases (PubMed, Google Scholar, or Web of Science) to find articles.
- Students are required to organize presentations view PowerPoint (only) to present their finding to the class - the goal of which is to learn and master how to present these materials to scientific peers and professionals.
- Students will generate mini-reviews, as discussed below and based exclusively on the ALL materials used in their team or individual presentations.
- The course will be administered via Moodle - you must have access to NJITMOODLE.

PREREQUISITES: BIOI 315 or BIOI 340 or R120:340 or BIOI 341 or R120:444 or BIOI 447 with a grade of C or better.

TEXTBOOKS: (ALL TITLES ARE AVAILABLE IN NJIT BOOKSTORE OR AMAZON.COM)


GRADING POLICY:

- Groups will be graded by both students and the instructor.
- The Instructor will have 65% of value (power points and written mini-review works), with student’s evaluation being 15% of complete grade.
- A cumulative final will be at the end of the semester during finals period 10%. You will also have quizzes every week for the topics covered for that week that will be 10%.
GRADING POLICY, CONT’D.:

- Students will be assigned a unique and anonymous identifier (known only to the instructor) to allow for objective and un-restrictive assessment of the presentation and work effort of seminar speaker and teammates.
- **Two (2) weeks after the student’s presentation**, student speakers will have the anonymous critiques from the class and the instructor to allow for improvement of successive preparation and presentation—this will be posted on Moodle.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
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<tbody>
<tr>
<td>A= 90% or higher</td>
<td><strong>Grades are not negotiable</strong>&lt;br&gt;<strong>Do not ask or try!</strong>&lt;br&gt;With regards to responding to email correspondence, I will try to reply to emails within 24-48 hrs after receiving them. Please include the course number and name in subject line of email. If you do not receive a reply from me by then, please email me again including the original email sent!</td>
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<td>B= 80% or higher</td>
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<td>C= 70% or higher</td>
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<td>D= 60% or higher</td>
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<td>F= below 60%</td>
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PRESENTATION:

- Teams of 2 (or 3, if not individuals) will prepare the power points with a lecture length of 45mins, followed by discussion time by audience and instructor.
- Teams or student presenters will have all PDFs of the journal articles and reference materials used to generate the seminar 1 week prior to the date of the seminar for upload to Moodle and proper review by fellow students and instructor, as well as a 1 page summary paper the student audience to utilize- Failure to provide materials on schedule will immediately result in a FULL LETTER grade reduction for the group. **No exceptions**
- Presentations should have a history of the pathology, epidemiology of the pathology, history of the disease, clinical diagnostic/biochemical characterization of the pathology, a detailed biochemical/molecular/biological mechanism of the pathology, current therapeutic options and an emergent therapy.
- Student presenters will have to submit a 5-10 page mini-review of the topic covered, done individually & independently by each student 1 week after the student’s presentation. Late submission of the critique will result in an automatic 25% reduction in the student’s grade for each day it is late!
- These papers will be submitted to Turnitin.com via MOODLE for review and academic integrity validation. Any report that has over 25% or higher similarity reports will be characterized as plagiarized and will result in unconditional failure of the assignment, followed by immediate reporting of the incident to department, chairman and dean.
- As a Writing Intensive/Honors Course, Student presenters will have to submit a 5-10 page mini-review of the topic covered; this is done individually & independently by each student, and is due 1 week post the student’s presentation (3 writing assignments in total). Late submission will not be accepted under any circumstances!!
- First drafts of these papers will be submitted to Turnitin.com via MOODLE for review, edit recommendations, and academic integrity validation. **Any report that has over 25% or higher similarity reports will be characterized as plagiarized and will result in unconditional failure of the assignment, followed by immediate reporting of the incident to Department, Chair and Dean.** Once students receive the corrected 1st drafts from the instructor, they will re-submit the 2nd edited draft for second review and comments. After 1 week and after a 2nd review, student will receive further comments and edits, students will resubmit a final version after 1 week to be graded.
Each student will be assigned a Final major 15-20 page research paper assignment on September 30th. This paper will be in a professional “review” format to be clarified by the instructor. This assignment will be due on December 1, 2017. Late submission will result in a drop in letter grade for each day it is late.

*Plagiarism is defined as the act of using another person's words or ideas without giving credit to that person!*

### Schedule and Course Outline:

<table>
<thead>
<tr>
<th>WEEK/DATES</th>
<th>LECTURE TOPICS</th>
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<tr>
<td>Week 1</td>
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<tr>
<td>Tue, Sept. 05</td>
<td>Intro to the Course/Objectives</td>
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<td>Thu, Sept. 07</td>
<td>Intro to Brain &amp; Nervous System</td>
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<td>Week 2</td>
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<td>Tue, Sept 12</td>
<td>Intro Cell Biology</td>
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<td>Thu, Sept. 14</td>
<td>Intro Molecular Biology</td>
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<td>Tue, Sept 19</td>
<td>Intro to Pathology</td>
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<td>Continued Intro to Pathology</td>
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<td>Thu, Nov 24</td>
<td>THANKSGIVIVING BREAK, NO CLASS!</td>
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