

**BIOLOGY 448-H01: NEUROPATHOPHYSIOLOGY - HONORS**

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<b>COURSE SCHEDULE:</b>	T, R: 4:00 – 5:25 pm in CKB 220	<b>COURSE WEBSITE:</b>	<a href="#">Moodle</a>
<b>OFFICE HOURS:</b>	By appointment (email): M: 11am-12pm & 1pm-2:30pm; W: 11:30am-2pm		

**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 NJIT MOODLE.

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

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

- ⊗ Neuroanatomy through Clinical Cases: 2nd Edition: Paper Text © 2010, Hal Blumenfeld; ISBN: 9780878930586.
- ⊗ The Elements of Style; 4th Edition: Paper Text © 2000, Strunk & White; ISBN: 9780205309023.

**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%.**

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**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 use in improvement of successive preparation and presentation—this will be posted on Moodle.

<b>A= 90% or higher</b>	<p><b>GRADES ARE NOT NEGOTIABLE</b> <b>DO NOT ASK OR TRY!</b></p> <hr style="width: 50%; margin: 10px auto;"/> <p><u>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!</u></p>
<b>B= 80% or higher</b>	
<b>C= 70% or higher</b>	
<b>D= 60% or higher</b>	
<b>F= below 60%</b>	

**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.

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**PRESENTATION CONT'D:**

☺ 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:**

WEEK/DATES		LECTURE TOPICS
Week 1	Tue, Sept. 05	Intro to the Course/Objectives
	Thu, Sept. 07	Intro to Brain & Nervous System
Week 2	Tue, Sept 12	Intro Cell Biology
	Thu, Sept. 14	Intro Molecular Biology
Week 3	Tue, Sept 19	Intro to Pathology
	Thu, Sept 21	Continued Intro to Pathology
Week 4	Tue, Sept 26	TBD
	Thu, Sept 28	TBD
Week 5	Tue, Oct 03	TBD
	Thu, Oct 05	TBD
Week 6	Tue, Oct 10	TBD
	Thu, Oct 12	TBD
Week 7	Tue, Oct 17	TBD
	Thu, Oct 19	TBD
Week 8	Tue, Oct 24	TBD
	Thu, Oct 26	TBD
Week 9	Tue, Oct 31	Student Disease A-1 TBD
	Thu, Nov 02	Student Disease A-2 TBD
Week 10	Tue, Nov 07	Student Disease B-1 TBD
	Thu, Nov 9	Student Disease B-2 TBD
Week 11	Tue, Nov 14	Student Disease C-1 TBD
	Thu, Nov 16	Student Disease C-2 TBD
Week 12	Tue, Nov 21	<b>TBD</b>
	Thu, Nov 24	<b>THANKSGIVING BREAK, NO CLASS!</b>
Week 13	Tue, Nov 28	Student disease D-2 TBD
	Thu, Nov 30	Large Group disease A-1 TBD

Week 14	Tue, Dec 05	Large Group disease A-2 TBD
	Thu, Dec 07	Large Group Disease B-1 TBD
Week 15	Tue, Dec 12	Large Group Disease B-2 TBD
	Thu, Dec 14	<b>READING DAY, NO CLASS</b>
<b>FINALS</b>		<b>FINAL EXAM WEEK: DECEMBER 15-21, 2017</b>