

BIOD65 Pathologies of the Nervous System (Winter 2013) Course Syllabus

** Welcome to Pathologies of the Nervous System! - Dr Joanne Nash **

Prerequisites: BGYB11H or BGYB10Y and one of NROC61H, NROC64H, NROC69H

Course e-mail: jnash@utsc.utoronto.ca

Office hours: Professor Nash (My office: SW532) Wednesdays 2 – 4pm

Other Contact and Communication Information: Course announcements, communications and lecture outlines will be available on the BIOD65 course page (intranet site). **Check the intranet regularly for important, time sensitive announcements.** Lecture outlines will be posted a minimum of 24 hours before lectures. Course readings will be uploaded onto the course page at least one week prior to class. Except on weekends, emails will be answered within 48 hours of receiving them. For questions that require longer answers, please try and attend office hours, or arrange an alternative appointment with Dr Nash. When the same questions are asked more than once, these will be posted as frequently asked questions on the intranet.

Textbook: There is no text book for this course. Course readings will be assigned throughout the course and uploaded onto the course page. Please read these before each class.

Lectures: Tuesdays 4-6pm, Room BV 355

Marking scheme (Detailed information on assignments can be found on p2 of syllabus)

- Evaluation of Research Articles (20%)
- Seminar (10%)
- Midterm (15%) – 2 hours
- Class participation (8%)
- Written assignment (17%)
- Final exam (30%) - 3 hours

Course Outline Summary (Subject to change)

Lecture	Date	Lecture Topic
1	Jan 8th	Course Outline & Parkinson's disease
2	Jan 15th	How to present and critique research articles (presenter: Nash)
3	Jan 22nd	Alzheimer's disease lecture + 2 student seminars
4	Feb 5th	Stroke lecture + 2 student seminars
5	Feb 12th	Movie and introduction to written assignment
*****	Feb 19th	*****Reading week*****
6	Feb 26th	MID TERM TEST (BV355)
7	March 5th	Prion disease lecture + 2 student seminars
8	March 12th	Huntington's disease lecture + 2 student seminars
9	March 19th	ALS / motor neuron disease lecture + 2 student seminars
10	March 26th	Developmental neurological disorders lecture + 2 student seminars
11	April 2nd	Psychiatric Disorders lecture + 2 student seminars
12	April 9th	Brain tumours lecture + 2 student seminars

Other Important Information

Teaching Assistant: Christopher Yong-Kee who will mark the written assignment and research articles. Please contact Chris for questions regarding marking of either of these assignments by email: cyong-kee@utsc.utoronto.ca.

Academic Integrity: Please refer to <http://www.governingcouncil.utoronto.ca/policies/behaveac> for the University of Toronto's Code of Behaviour on Academic Matters. Potential offences include, but are not limited to:

In Tests and Exams: to use or possess an unauthorized aid or to look at the answers of another student's exam; misrepresentation of identity.

Medical Notes and other Official Documentation: Falsification or alteration of documentation required by the University.

AccessAbility Information: Please let me and / or AccessAbility services know if you require any accommodations to ensure that you achieve your learning goals in this course. AccessAbility services is located in SW302 (tel: 416-287-7560; email: ability@utsc.utoronto.ca/ability), where you can arrange appointments to assess and accommodate your specific needs. Enquiries are confidential.

Course Assignments

Evaluation of Research Articles (20%): Further instructions for evaluation of research article will be given in week 1. From week 2 onwards, all students are expected to submit a summary and critique of ne research article using the template provided by Dr Nash, which will also available on the course page. There is no minimum or maximum expected length for the critiques. Dr Nash will provide the research articles to be critiqued. Summaries and critiques must be submitted at the beginning of each lecture no later than 4:10pm. Late submission will result in deducted marks.

Seminar (10%): On week 2, Dr Nash will present a research article in seminar format. This will act as a guide for subsequent student seminar presentations, although creativity and individuality of your presentations is strongly encouraged!

From week 3 onwards, groups of two to four students (depending on class size) will present a 50 minute seminar on 2 research articles. These research articles have been chosen already by Dr Nash, and will be uploaded onto the course page under 'Readings'. For each research article presentation, only 5 minutes should be spent on the introduction. Marks will be deduced for lengthy introductions. Ten to 20 minutes will be given for question time after the seminar presentation. Those students that are not presenting seminars are expected to ask questions, as class participation counts (8%) towards your final mark. Information presented in student seminars will be included in the final exam. More information on the format of seminar presentations will be given on weeks 1 and 2.

Class participation (8%): Students are expected to contribute to class discussions, particularly during and following student seminar presentations.

Written Assignment (17%): On Feb 12th, a movie will be played in class as an introduction to the topic of your written assignment. More information about the content requirements of the written assignment will be

given immediately after the movie has finished. In order to complete the assignment, students will need to acquire research articles by themselves. How to do this will be covered in week 2.

Essays must include a title page, an abstract summarising the essay, an introduction describing the background behind this topic, body paragraphs discussing the specific points pertaining to the topic, conclusion describing your specific views and why and a reference list.

Articles must be cited throughout the text (e.g. Author 1991; Author et al. 1995; Author and Author 1998). The reference list (bibliography) must be on a separate page and have the following format (e.g. Gamelin FX, Baquet G, Berthoin S, Thevenet D, Nourry C, Nottin S, Bosquet L (2009) Effect of high intensity intermittent training on heart rate variability in prepubescent children. Eur J Appl Physiol 105:731-738).

The essay must be double-spaced and 8-10 pages in length (excluding the title page and bibliography).

Assignments must be submitted to Gloria Luza in the department office (SW420B).

Midterm (20%):

On Week 6 (Feb 26th) the midterm will be held in class (2 hours). You will be given a research article minus the abstract and discussion, so you will get the title, methods, results and references. You will be given 2 hours to write the abstract and discussion. No preparation is required.

Final Exam (3 hours) (30%):

The exam questions will be given ahead of time at the end of the lecture on week 12. At this point more details will be given regarding the exam. In brief, there will be at least 8 questions on 5 topics (a topic is defined as a lecture week). Students must answer 4 questions from the 5 topics. None of the questions answered can be from the same topic.

Absence in exams and other assessments: Failure to attend the final exam or midterm will result in no mark for that portion of the course. Failure to hand in assignments on time will also result in a zero for that given assignment, unless accompanied by a medical certificate. If assignments are to be submitted late, please contact Dr Nash no more than 24 hours after the deadline for that assignment to let her know of your illness. Rules governed by the University of at Scarborough must be followed in all exceptional cases when petitioning to repeat an exam or perform a make-up exam will be followed (please refer to http://www.utoronto.ca/courses/calendar/Courses.html#Special_consideration_petitions_and_appeals). Requests to petition for medical reasons must be accompanied by an official University of Toronto medical certificate (<http://www.utoronto.ca/health/forms/medcert.pdf>).

Important Dates

Febraury 12 th	Written assignment given
February 26th	Midterm (in BV355)
March 24 th	Last day to drop the course
April 8 th	Submission of written assignment to Gloria Luza (4pm)
April 15 th – 30th	Examinations period