

NROD65H3

**Pathologies of the Nervous System
Spring 2005**

Instructor: Janelle LeBoutillier
Room S557A
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Office Hours: Tues: 3-4 pm
Thurs: 3-4 pm

Lecture: Thurs: 4-6 pm in AC332

Textbook: There is no assigned textbook for this course. Course readings will be assigned weekly. Copies of readings which are not available on line will be placed in the library for short-term loan.

Course Description:

The aim of this course is to conduct an intensive examination of selected pathologies affecting the nervous system. The course will commence with a brief overview of mechanisms of brain damage. Topics will include, but not be limited to, apoptosis, necrosis, axotomy and mechanical damage, metabolic damage, inflammation and demyelination. Subsequently, selected pathologies will be examined from an integrative perspective encompassing the pathogenesis, resulting behaviors, and current treatments and therapies.

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. Tina Doyle, the UTSC AccessAbility Manager 416 287-7560 is available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. The sooner you let us know about your needs, the quicker we can assist you in achieving your learning goals in this course.

Grading Scheme

10%	Class Participation
15%	Oral Presentation
20%	Response Papers
25%	Literature Review
30%	Final Exam

Class Participation:

A weekly mark out of 3 will be assigned for participation. This will be based on active participation in the class discussions and background knowledge based on the assigned readings.

Oral Presentation:

Each student will give one oral presentation during the term. Two/three students will present per week. Topics to be presented will be assigned following the first week of classes.

Response Papers:

Students will be required to submit 4 response papers over the term from 6 assigned readings. Each student must submit 2 response papers prior to March 1. From assigned readings, students will critically examine one aspect of the research. For example, you may choose to examine a problem with the paper that could have been better addressed, try and extend the research based on current findings (what would be the next step), or comment on how the paper integrates the findings with current developments in theories of this disease. Response papers should be a maximum of 2 pages, double spaced, due no later than the start of the class. In addition this course will take advantage of "turnitin". Details of this program follow. **NO LATE RESPONSE PAPERS WILL BE ACCEPTED.**

Literature Review:

A 15 page review paper on a specific neuropathology topic will be due Mar 24, 2005. Late papers will be docked 10% per day unless a medical note is provided. Please use only the medical note form available from UTSC online.

Final Exam:

A cumulative final exam will be scheduled during the exam time period.

Turnitin:

First, some background information on this program. Turnitin.com is a tool that assists in detecting textual similarities between compared works ie: it is an electronic resource that assists in the detection and deterrence of plagiarism.

Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. The terms that apply to the University's use of the Turnitin.com service are described on the Turnitin.com web site.

As indicated on the turnitin home page, all work submitted to Turnitin is checked against three databases of content:

- A current and archived copy of the publicly accessible Internet (more than 4.5 billion pages updated at a rate of 30-40 million pages per day);
- Millions of published works (from ABI/Inform, Periodical Abstracts, Business Dateline, ProQuest, the Gutenberg Collection of literary classics, and tens of thousands of electronic books);
- Millions of student papers submitted to Turnitin since 1996.

Students will submit all written reports to the turnitin.com site (www.turnitin.com). Detailed instructions on setting up your account can be found on this page. You must set up your own account and will need the following information: Course name, NROD65 2005; Class ID #, 1235910; Class Enrolment Password, neuropath

Tentative Course Outline

Date	Topic
Jan 6	Introduction
Jan 13	Mechanisms of Brain Damage
Jan 20	Ischemia
Jan 27	MS
Feb 3	Epilepsy
Feb 10	Parkinson's Disease
Feb 17	Reading Week
Feb 24	Classes Cancelled
Mar 3	Williams Syndrome
Mar 10	Prions
Mar 17	Huntington's Chorea
Mar 24	MCI and AD
Mar 31	ALS