

SENSORY NEUROSCIENCE & PERCEPTUAL PROCESSING (PSYC 3161)
(Fall Term, 2016)

Meeting Time: Thurs., 7:00-10:00 pm, AT 1007

Instructor: Dr. Michael Wesner

<i>Office Location:</i> SN 1040	<i>Office Hours:</i> Mon. 5:30 – 6:30 Thurs. 5:30 – 6:30	<i>Phone:</i> Office: 343-8457 SNAP Lab: 343-8418 Vision Lab: 346-7756	<i>Email</i> michael.wesner@lakeheadu.ca
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Graduate Assistant (GA): Dana Dupuis

<i>Office Location:</i> By appointment	<i>Office Hours:</i> By appointment	<i>Phone:</i> CAL: 343-8168	<i>Email</i> ddupuis@lakeheadu.ca
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Textbook: Chaudhuri, A. Fundamentals of Sensory Perception, Oxford Press.

Additional readings will be mentioned at the start of class & available on-line at

<http://flash.lakeheadu.ca/~mwesner/S+Preadings>. Dana will keep a running list of these required readings. NOTE: My parent web site is <http://flash.lakeheadu.ca/~mwesner>.

Course Schedule

<u>Date</u>	<u>General Topics</u>	<u>Assigned Chapters</u>
9/8	Introduction	Preface, Ch. 1
9/15	Psychophysics	Ch. 1, Additional Readings
9/22	Psychophysics & Cell Physiology	Ch. 1, Ch. 2, Additional Readings
9/29	General Neurophysiology	Ch. 2, Additional Readings
10/6	VISION: Stimulus & Eye	Ch. 8
10/13	FALL BREAK	
10/20	FIRST EXAM (200 pts)	
10/27	VISION: Stimulus & Eye	Ch. 8, Additional Readings
11/3	VISION: Stimulus & Eye	Ch. 8, Additional Readings
11/10	VISION: The Retina	Ch. 9
11/17	VISION: The Retina	Ch. 9, Additional Readings
11/24	SECOND EXAM (200 pts)	
12/1	VISION: The Retina	Ch. 9, Additional Readings

There will be two exams this term, each worth 200 pts (total for this term represents 40% of your final mark). The exams will be given during the class periods indicated above. About half the exam questions will cover lecture material, the other half from the textbook, readings and handouts. Under **NO** circumstances will you be allowed to take a make-up exam. If you think there is a problem with taking the exams at the above times, see me **the first or second week of classes**.

TOPICS FOR THE WINTER TERM

VISION: Cortical Function	Ch. 10 (Part A & B)
VISION: Spatial Representation	Ch. 9 (Part C-2) & Add'l Readings
VISION: Colour Perception	Ch. 11 & Add'l Readings
VISION: Form Perception	Ch. 10 (Part C-2) & Add'l Readings
VISION: Depth Perception	Ch. 12
VISION: Eye Movements	Ch. 13
AUDITION: Stimulus & the Ear	Ch. 5
AUDITION: Pitch & Loudness Perception	Ch. 6 & Add'l Readings

The third and fourth exams given this winter term will each be worth 300 points. There are **1000 possible points** for the year (i.e., 2 more exams this winter term). Final letter grades will be based on class performance.

NOTE 1-Bonus points: You may earn up to a maximum of 3 additional bonus points to be added to your final mark in one of two ways, or in combination:

1. Participate in Psychology Department approved research studies that are posted throughout the academic term(s) on <http://luppsych.sona-systems.com>. An account will be created for you by 2nd week of classes. You must complete participation in studies by last day of classes.
2. Submit a synopsis of a recent or historical journal article. This involves choosing a seminal or newly developed article published in a globally recognized neuroscience journal that interests you. Write a 500-word (2 pages double spaced) critical commentary about that article, and submit a copy of your synopsis and the article to the instructor by the last day of classes. Each submitted synopsis is worth 1.5 bonus points.

NOTE 2-Accommodations: Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: <http://studentaccessibility.lakeheadu.ca>