

NOTE: THIS IS A SAMPLE SYLLABUS ONLY. THE ACTUAL PSYC 366H SYLLABUS MAY DIFFER SUBSTANTIALLY FROM THIS VERSION.

Department of Psychology
Trent University
PSYC 366H-A: Sensation and Perception
2009 WI PTBO

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Course Description: An extensive examination of how humans (and other species) perceive information presented to the senses. Topics include mechanisms of perception, detection, discrimination, and pattern recognition. Psychophysical measurement, colour and spatial vision, hearing, touch, taste and smell may be covered. Anatomical and physiological structures that support the senses will be discussed.

Prerequisites: Completion of Psyc 215

Course Format: **This course consists of one weekly two-hour lecture and a 1-hour fortnightly lab/seminar.**

Required Readings:

Recommended Text:

Evaluation:	1. Midterm Exam	30%
	2. Final Exam	30%
	3. Seminar/Lab Homework	40%

Description of Evaluations

Midterm Exam (30%*)

The midterm exam will be one-hour and 50 minutes in length and will be comprised of multiple-choice and short-answer questions. The midterm exam will focus on readings, lectures, and seminar material covered in Weeks 1-5.

Final Exam (30%*)

The Final exam will have a similar format. The final exam will focus on readings, lectures, and seminar material covered in Weeks 8-13.

Seminar/Lab Homework (40%)

In each fortnightly seminar you will be given a homework assignment that will be described in detail in seminar. This may involve summarizing a research article, writing a report on a lab activity, or answering provided questions. Each homework assignment will be worth 10% and will be due at the beginning of the next lab session. **You must attend the lab in order to submit the accompanying homework.** In other words, if you fail to attend your lab, you will not be permitted to submit the homework that was assigned in that lab without a documented reason.

*If a student's score on the final is more than 10% higher than their midterm score, I will shift the weighting of the exams so that the midterm is worth 25% and the final is worth 35%.

PSYC 366H – Winter 2008 Schedule				
Week	Date	Topic	Reading	Seminar Topic
1	Jan. 6	Introduction to Perception	Chapters 1	No seminar
2	Jan. 13	Vision: Physiology of Perception and Neurons	Chapter 2 and 3	Vision
3	Jan. 21	Vision: The Organized Brain	Chapter 4	Vision
4	Jan. 28	Vision: Objects and Attention	Chapter 5 & 6	Hearing
5	Feb. 3	Vision: Colour	Chapter 7	Hearing
6	Feb. 10	***MIDTERM EXAM*** - No Seminar		
7	Feb. 17	Reading Week- No Class No Seminar		
8	Feb. 24	Vision: Depth and Size	Chapter 8 For seminar: Botvinick, M. and Cohen, J. (1998). Rubber hands feel touch that eyes see. <i>Nature</i> , 391, 756.	Touch/ Proprioception Ch. 14
9	Mar. 3	Vision: Motion, Perception and Action	Chapter 9 & 10	Touch/ Proprioception Ch. 14
10	Mar. 10	Hearing: The auditory system and pitch perception.	Chapter 11	Taste & Smell
11	Mar. 17	Hearing: Localization and Speech	Chapter 12 & 13	Taste & Smell
12	Mar. 24	Touch & Proprioception	Chapter 14 Lackner JR, DiZio P. Somatosensory and proprioceptive contributions to body orientation, sensory localization, and self-calibration. In: <u>The somatosensory system: Deciphering the brain's own body system</u> , RJ Nelson (ed), CRC Press, Boca Raton FL, pp. 121-140, 2001	No seminar
13	Mar. 31	Taste and Smell	Chapter 15	No seminar
	TBA	***FINAL EXAM***		

Note: You are responsible for all assigned readings even though not all of this material will be covered in class.