

PSY B50F: SENSATION AND PERCEPTION, 1997-98

Classes: Mon., Wed. & Fri. 9:00-10:00 in S143

Instructor: Joan Foley Phone: (416) 287 7424
email: foley@psych.utoronto.ca
Office: S564
Office Hours: Mon. 2:30-3:30 & Wed. 2:30-3:30

Textbook: Coren, S., Ward, L. M. & Enns, J. T. (1994). Sensation and perception (4th ed.). Fort Worth: Harcourt Brace.

Objectives: To develop an understanding of the normal functioning of the visual and auditory systems, with a particular focus on humans, and to acquire a practical knowledge of the principal methods of data collection in the field of psychophysics.

Evaluation:

Practical work	25%
Two multiple-choice term tests	30%
Final examination in two parts:	
a) multiple-choice	15%
b) essay-answer	30%

Practical Work: Normally, the Friday class will be conducted as a practical session. Briefings will be given on small experiments which you will run outside class time on a computer, then data will be analysed and discussed in class the following week. In some cases, data will be collected in class. You will document your participation in data collection and analysis for at least 4 of these experiments, and you will write reports on at least two of those. If more than the minimum number of reports is submitted, the grade will be based on the best two. Each report will be worth 10% of the final grade; satisfactory documentation of data collection and analysis in two other experiments will be worth a total of 5%.

Reports will be due by 5:00 p.m. on the dates shown below.

1. Friday, 26 Sept. (Difference Threshold, Method of Constant Stimuli)
2. Friday, 10 October (Point of Subjective Equality, Staircase Method)
3. Friday, 31 October (Signal Detection Theory, Y/N Method)
4. Friday, 21 November (Global/Local Processing, Reaction Time)

Tests:

1. Wednesday, 8 October
Chapters 1, 3, 4 & Appendix and related lectures
2. Monday, 10 November
Chapters 5, 10 & 11 and related lectures

Final Exam: Date T.B.A. (during final examination period).

- a) multiple choice section
Chapters 6, 7 & 12 and related lectures
- b) essay-answer section
A study sheet of questions will be provided from which the three to be answered will be drawn at the final exam.

Provisional Class Schedule:

<i>Monday</i>	<i>Wednesday</i>	<i>Friday</i>
S 8 Introduction (1)	S 10 Absolute Threshold Method of Limits (2)	S 12 Difference Threshold Method of Constant Stimuli (2)
S 15 Light (3)	S 17 The Eye(3)	S 19 Difference Threshold Constant Stimuli (2)
S 22 Visual N.S. (4)	S 24 Visual N.S. (App.)	S 26 Point of Subjective Equality Staircase Method (2)
S 29 Acuity (4)	O1 MTF (4)	O3 PSE, Staircase Method (2)
O6 Contrast (4)	O8 TEST 1	O10 Signal Detection Theory Y/N Method (2)
O13 <i>Thanksgiving Holiday</i>	O15 Colour (5)	O17 Signal Detection Theory Y/N Method (Ch. 2)
O20 Colour (5)	O22 <i>No class</i>	O24 Colour (5)
O27 Depth (10)	O29 Depth (10)	O31 Signal Detection Theory Y/N & Rating Scale (2)
N3 Form (11)	N5 Form (11)	N7 Global/Local Processing Reaction Time (2)
N 10 TEST 2	N 12 Sound, The Ear (6)	N 14 Global/Local Processing Reaction Time (2)
N 17 Auditory N.S. (6)	N 19 Pitch (7)	N 21 Scaling (2)
N 24 Sound Localization (7)	N 26 Auditory Scene Analysis (7)	N 28 Auditory Scene Analysis (7)
D1 Music Perception (12)	D3 Speech Perception (12)	D5 Speech Perception (12)

Note: Numbers in brackets refer to the relevant chapter in the text.