

PSY B50FS: SENSATION AND PERCEPTION, 1996-97

Lectures: Tuesdays 7:00-9:00 S128

Practicals: Mondays 11:00-12:00 R3212
6:00-7:00 R3230
Tuesdays 5:00-6:00 R3230

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Hours: Mondays 1:30-4:30
Tuesdays after class
Thursdays 1:30-3:30

Teaching

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Hours: S 5-7B

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

Objectives: To introduce students to contemporary understandings of the normal functioning of the visual and auditory systems, with a particular focus on humans, and to expose students to the principal methods of data collection in the field of psychophysics.

Evaluation: Four reports on practical work 1/3
Two 30-minute multiple-choice term tests 2/9
Final examination in two parts:
a) multiple-choice 1/9
b) essay-answer 1/3

Reports: Reports will be due *at your practical session* on the dates shown on page 2 of this outline. Penalty for late submission without an approved extension, 25% per day. Extensions for reason of time management problems should be requested *before* the due date; they will not normally exceed two days, and will not normally be granted more than once to a given student. Extensions for medical reasons will not exceed one week; if the problem continues, the mark will be based on the other reports or another assignment will be substituted.

Tests: 1. Tuesday, 11 February at 7:00 p.m.
Chapters 3, 4 & Appendix and related lectures
2. Tuesday, 11 March at 7:00 p.m.
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
Covers whole course—3 questions to be answered, at least 1 on vision and at least 1 on audition. There will be some choice among the questions set.

Lectures:

<u>Date</u>	<u>Topic</u>	<u>Text Chapter</u>
Jan. 7	Introduction and overview	
14	Light and the Eye	3
21	Visual Pathways and Projection areas	3 & App.
28	Acuity, Modulation Transfer Function, Contrast	4
Feb. 4	Colour Vision	5
11	<u>TEST 1</u> Colour Vision	5
18	<u>READING WEEK</u>	
25	Visual Form Perception (Prof. J. Kennedy)	11
Mar. 4	Visual Depth Perception	10
11	<u>TEST 2</u> Sound, the Ear, and the Auditory Pathways	6
18	Auditory Sensitivity and Discrimination	7
25	Auditory Scene Analysis	7
Apr. 1	Music Perception	12
8	Speech Perception	12

Practicals:

Readings in Text: Chapter 2 and other T.B.A.

<u>Date</u>	<u>Topic</u>	<u>Report Due</u>
Jan. 13/14	Absolute threshold; method of limits	-----
Jan. 20/21 <u>and</u> 27/28	Difference threshold; method of constant stimuli	Feb. 3/4
Feb. 3/4 <u>and</u> 10/11	Point of subjective equality; staircase method	Feb. 24/25
Feb. 24/25 Mar. 3/4 Mar. 10/11 <u>and</u> 17/18	Signal detection theory (SDT); yes/no method SDT; yes/no with rating scale SDT; forced choice with rating scale	Mar. 24/25
Mar. 24/25 <u>and</u> Apr. 1/2	Feature Analysis; reaction time	Apr. 7/8