



Full Syllabus



Course Title

Perception and Psychophysics

Lecturer

Prof. Nitzan Censor

Semester

2

Course requirements

Attendance in class is expected

Final grade components

Exam

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction to perception and psychophysics with an eye on history (Ch. 1)
2-3	Psychophysical laws: Fechner, Weber, Stevens, Ekman
4	Signal detection theory (Appendix)
5	The visual system: The light stimulus, anatomy, and physiology (Ch. 2-4)
6	The visual system: Gestalt principles (Ch. 5)
7	The visual system: Perceptual Phenomena (Ch. 10)
8	Color perception (Ch. 9)
9	The auditory system: The sound stimulus, anatomy, and physiology (Ch. 11)
10	The auditory system: Perceptual phenomena (Ch. 12)
11	Perceptual learning (Sagi 2011)
12	A link to new directions in cognitive neuroscience

Required course reading

(1) Obligatory main text:
Goldstein, E. B. (2010). Sensation and perception, 8th ed.,
Belmont, CA: Wadsworth (Chapters: 1-5, 9-12, Appendix).

(2) Perceptual learning article:
Sagi, D. (2011). Perceptual learning in vision research. *Vision research*, 51(13), 1552-1566.

Optional course reading

Algom, D. (1990). Perception and psychophysics, Tel-Aviv: Ministry of Defense Publishing House (Hebrew).

Comments

How do people build their perception of the world out of the conglomeration of



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