

Tel-Aviv University
Faculty of Social Sciences
School of Psychological Science

Psychology 1071.2909.01, 1071.2909.02, Perception and Psychophysics
Spring Semester, 2016 (תשע"ו), Tue: 12:00-2:00, 2:00-4:00

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Required Readings

(1) Main text:

Goldstein, E. B. (2010). Sensation and perception, 8th ed.,
Belmont, CA: Wadsworth (Chapters: 1-5, 7, 8, 10-12, Appendix).

(2) Articles:

Palmer, S. E. (2002). Perceptual grouping: It's later than you think. *Current Directions in Psychological Science*, 11(3), 101-106.

(3) Suggested text:

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

Further Requirements

Attendance in class is expected. Experience shows that grade is positively correlated with attendance.

Student Evaluation

Final comprehensive exam based on the readings and class

Course Description:

How do people build their perception of the world out of the conglomeration of physical energy impinging on the sense organs? The resulting sensation is governed by general rules common to all sensory systems and by particular rules pertaining to each individual system. The objective of this course is to introduce the various sets of processing principles by way of gaining a fundamental understanding of human sensation and perception.

Course outline

Subject	Reading
Introduction to perception and psychophysics with an eye on history	Ch. 1
Psychophysical laws: Fechner, Weber, Stevens, Ekman	
Signal detection theory	Appendix
The visual system: The light stimulus, anatomy, and physiology	Ch. 2-4
The visual system: Gestalt principles	Ch. 5
The visual system: Perceptual phenomena	Ch. 10
The auditory system: The sound stimulus, anatomy, and physiology	Ch. 11
The auditory system: Perceptual phenomena	Ch. 12
Color perception	Ch. 9
Perceptual Learning	