

## Psychology B51 Perception & Cognition

Course Instructor: Igor Juricevic  
Office: S-555  
Office Hour: Tues 6-7pm  
e-mail: [psyb51@hotmail.com](mailto:psyb51@hotmail.com)

TA: Dominique Vuvan  
e-mail: TBA

### PSYCHOLOGY B51 – Perception & Cognition

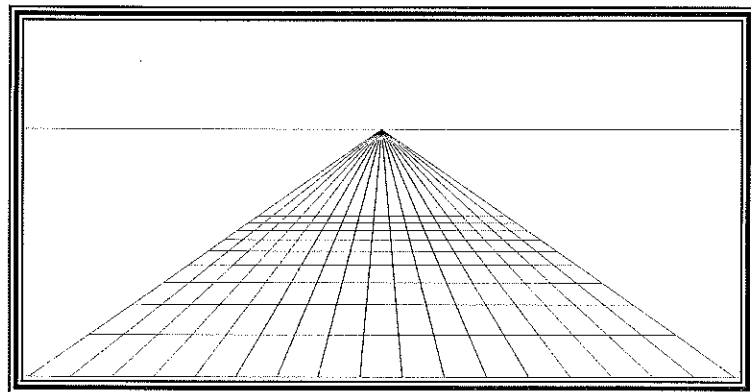
Theory and research on perception and cognition, including visual, auditory and tactile perception, representation, and communication.

### MORE SPECIFICALLY...

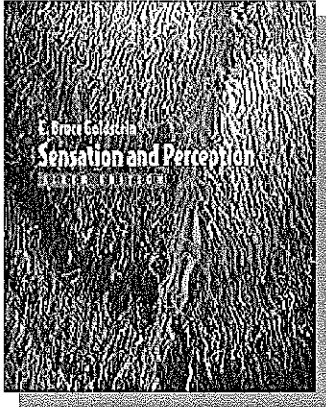
This course is an introduction into the field of perception and cognition. Its goal is to introduce topics in perception and cognition and give you a broad base of understanding of the area. Both classical and contemporary research will be discussed, along with theoretical discussions on matters relating to: philosophy of perception, neuropsychology, spatial perception, colour perception & qualia, Gestalt and Ecological approaches, auditory localization and recognition, haptics, perspective pictures, drawing and the blind, etc.

### INSTRUCTOR, OFFICE, AND OFFICE HOURS

I am an experimental psychologist with special interests in perception. My Ph.D. research concerns spatial perception and perspective geometry. My office is in S-555, and I will be there the hour before class (Tuesdays, 6-7pm). The e-mail address for the course is: [psyb51@hotmail.com](mailto:psyb51@hotmail.com).



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### TEXT

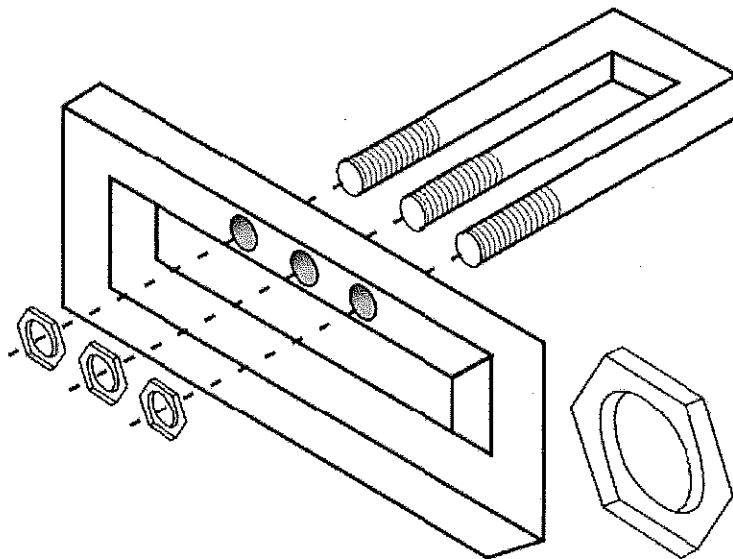
There is one text required: Goldstein, E.B (2002) **Sensation and Perception (6th ed)**. Pacific Grove, CA: Wadsworth-Thomson Learning.

### INSTRUCTIONAL PROCEDURE

Information is presented both in the classroom and through the text. Lecture notes will be available on the UTSCweb PSYB51 course page before each class. During classroom meetings I will lecture on important material to be learned. Not all aspects of the text will be covered. Rather, lectures will focus on particularly interesting areas, difficult material, or on topics of special interest. You are encouraged to ask questions and to interrupt the lecture for points of information, clarification, etc.

### GRADES

There will be 1 midterm and 1 final exam, both consisting of "multiple-choice" and "short-answer" questions. The midterm is worth 35% of your final mark. The final exam (cumulative) is worth 65% of your final mark.



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### DATES, READING ASSIGNMENTS, & TOPICS

Sept 12	Syllabus <i>Chapter 1</i>	<i>Introduction to Perception</i>
Sept 19	<i>Chapter 2</i> <i>Chapter 3</i>  Special Topic	<i>Receptors and Neural Processing</i> <i>The Lateral Geniculate Nucleus and Striate Cortex</i>  <i>Realism in Cognitive Science</i>
Sept 26	<i>Chapter 4</i>	<i>Higher-Level Visual Processing</i>
Oct 3	<i>Chapter 6</i> Special Topic	<i>Perceiving Color</i> <i>The Question of Qualia</i>
Oct 10	<i>Chapter 5</i>	<i>Perceiving Objects</i>
Oct 17	<i>Chapter 7</i>	<i>Perceiving Depth and Size</i>
Week of Oct 23rd	<b><u>MIDTERM (35%)</u> Covers Chapters 1-9 &amp; Lectures (Sep 12<sup>th</sup> - Oct 17<sup>th</sup>)</b>	
Oct 31	<i>Chapter 8</i> <i>Chapter 9</i>	<i>Perceiving Movement</i> <i>Perception and Action</i>
Nov 7	Special Topic Special Topic <i>Required Reading</i>	<i>The Perception of Perspective Pictures</i> <i>The ART theory</i> <i>Juricevic &amp; Kennedy (2006) – available on-line</i>
Nov 14	<i>Chapter 10</i>  <i>Chapter 11</i>	<i>Sound, the Auditory System, and Pitch Perception</i>  <i>Auditory Localization, Sound Quality, and the Auditory Scene</i>
Nov 21	<i>Chapter 12</i>	<i>Speech Perception</i>
Nov 28	<i>Chapter 15</i> Special Topic	<i>Perceptual Development</i> <i>Drawing and the Blind</i>
Dec 9-21	<b><u>FINAL EXAM (65%)</u> Cumulative. Emphasis (70%) on Chapters 8-12, 15 &amp; Lectures (Oct 31<sup>st</sup> - Nov 28<sup>th</sup>).</b>	