Lectures:
Fridays 09:30 – 11:20, CPD3.28

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Office hours: By appointment

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Course Description
This course will provide an introduction to sensation and perception, with an emphasis on the psychology of seeing. Specific topics include: neurophysiological mechanisms and sensory coding; cortical organization; phenomenology of sensation and perception; functional properties of sensory systems; psychophysical limits of perceptual systems; theories of perception.

Learning Objectives
- To be able to identify fundamental problems in perception
- To be able to understand various approaches to solving those problems and their strengths and weaknesses
- To be able to describe the basic physiological and neural mechanisms that underlie sensory and perceptual systems
- To be able to describe the psychological processes that support perception
- To be able to describe how perceptual systems support everyday elementary activities.

Textbook

Computer Resources
Lecture slides will be made available on Moodle.
Assessment (30% based on MCQs)
Participation/Tutorials 10%

Homework
  Class Presentation 10%
  Final Paper 20%

Mid-term quiz 25%
Final quiz 35%

Quizzes
There will be one mid-term quiz (Mar 18) and one comprehensive final quiz (May 6). The quiz materials MUST be returned. Leaving the testing room with quiz materials will be viewed as academic dishonesty. No make-up quizzes will be permitted. In the case of a student missing a quiz due to medical reason (with a valid medical proof), his/her performance in the missed quiz will be predicted based on his/her performance in the other components of the course at the end of the semester.

Academic Dishonesty
Academic dishonesty will not be tolerated. Any student who engages in any form of academic dishonesty (e.g., cheating on exams, plagiarism, interfering with grading) will receive a grade of F in this course and will be reported to the Office of Student Conduct & Ethical Development for further disciplinary action. There will be no exceptions. If you are not sure what constitutes the academic offense of plagiarism, consult your Lecturer or Tutor. You may also consult the relevant HKU webpage on plagiarism at http://www.rss.hku.hk/plagiarism.

Plagiarism
A hardcopy and a softcopy are required for all written assignments. The softcopy will be checked for plagiarism against a database of articles, books, webpages, and essays submitted by students at HKU and other universities. No credit will be given for an assignment that contains plagiarized materials. Further penalties will also be applied. These penalties include a zero mark for participation in course tutorials and a zero mark for the course. Plagiarism will also be reported to your Faculty for consideration of possible disciplinary action.

Assignment Submissions
No late assignments will be accepted, unless a valid medical proof (medical certificate) is presented. Assignments are due at the start of the lecture on the day of the deadline. Each assignment submission should be accompanied by a title page with the course code, instructor’s name, your name, UID, and tutorial session written clearly.
<table>
<thead>
<tr>
<th>WK</th>
<th>DATE</th>
<th>CONTENTS</th>
<th>READINGS</th>
<th>TUTORIAL</th>
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<tbody>
<tr>
<td>1</td>
<td>Jan 22</td>
<td>Introduction</td>
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<td>2</td>
<td>Jan 29</td>
<td>Vision I. Understanding the visual system and visual processing: Receptors, physiology, neural processing</td>
<td>Chapters 2, 3</td>
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<td>3</td>
<td>Feb 5</td>
<td>Vision II. Cortical organization; Psychophysics &amp; Signal Detection</td>
<td>Chapter 4; Appendix from pp. 395</td>
<td>Tutorial I: Receptive fields</td>
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<td>4</td>
<td>Feb 12</td>
<td>No class (Lunar new year)</td>
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<td>5</td>
<td>Feb 19</td>
<td>Vision III. Objects/faces/scene perception</td>
<td>Chapters 5</td>
<td>Tutorial II: Research methods</td>
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<td>6</td>
<td>Feb 26</td>
<td>Vision IV. Motion perception; Colour perception</td>
<td>Chapters 8, 9</td>
<td>Tutorial III: Face perception</td>
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<td>7</td>
<td>Mar 4</td>
<td>Vision V. Depth and Size Brief Review; Q&amp;A</td>
<td>Chapters 9, 10</td>
<td>Tutorial IV: Colour</td>
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<td>Mar 11</td>
<td>No class (Reading Week)</td>
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<td>9</td>
<td>Mar 18</td>
<td>Mid-term Quiz (09:30 – 11:20; Venue: CPD3.28 &amp; TBC)</td>
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<td>10</td>
<td>Mar 25</td>
<td>No Class (General Holiday)</td>
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<td>Tutorial V: Depth (Friday tutorials postpone to next week)</td>
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<td>11</td>
<td>Apr 1</td>
<td>Audition I. Perception and physiology</td>
<td>Chapter 11</td>
<td>Assignment Consultation (By appointment)</td>
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<td>12</td>
<td>Apr 8</td>
<td>Audition II. Localization and organization; Speech</td>
<td>Chapter 12, 13</td>
<td>Assignment Consultation (By appointment)</td>
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<td>13</td>
<td>Apr 15</td>
<td>Other considerations: Perception and Action Brief Review; Q&amp;A</td>
<td>Chapter 7</td>
<td>Tutorial VI: Other senses</td>
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<td>(Final Paper Due)</td>
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<td>14</td>
<td>Apr 22</td>
<td>Class presentations I</td>
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<td>Tutorial VII: Perception and Action</td>
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<td>15</td>
<td>Apr 29</td>
<td>Class presentations II</td>
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<td>Tutorial VIII (Q&amp;A)</td>
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<td>16</td>
<td>May 6</td>
<td>Final Quiz (09:30 – 11:20; Venue: CPD3.04 &amp; CPD3.28)</td>
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Note: The schedule, readings, and assignments are subject to change. Any changes will be announced in class.