PSYC 2051 – Perception
Department of Psychology
The University of Hong Kong

Lectures:
Tuesdays 10:30 – 12:20, CPD LG.18

Instructor:
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Office hours: Thursdays, 13:30 – 14:30

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Office hours: By appointment

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Ms. GAO, Mengxia
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Office hours: By appointment

Ms. ZHONG, Nianzeng
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Email: nzhong@hku.hk
Office hours: By appointment

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)
Tutorials
In-tutorial mini-assignment (week 7) 4%
Participation 6%
2018-2019 (Semester 2)

Homework
  Group Presentation (In-tutorial)  10%
  Final Paper  20%

Mid-term quiz  25%
Final quiz  35%

The following **marking scale** will apply for this course:

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<td>90+</td>
<td>A+</td>
<td>77-79</td>
<td>B+</td>
<td>67-69</td>
<td>C+</td>
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<tr>
<td>85-89</td>
<td>A</td>
<td>73-76</td>
<td>B</td>
<td>63-66</td>
<td>C</td>
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<tr>
<td>80-84</td>
<td>A-</td>
<td>70-72</td>
<td>B-</td>
<td>60-62</td>
<td>C-</td>
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Quizzes
There will be one mid-term quiz (Mar 12) and one (cumulative) final quiz (Apr 23). The quiz materials MUST be returned. Leaving the testing room with quiz materials will be viewed as academic dishonesty. In the event of a missed quiz (with valid medical documentation), a single make-up quiz will be arranged (essay-format only). There will be no make-up quizzes arranged for a make-up quiz...

Academic Honesty
Academic dishonesty will not be tolerated. Any student who engages in any form of academic dishonesty (e.g., cheating on exams, plagiarism, self-plagiarism, interfering with grading, falsification and fabrication of data in any academic exercise etc.) will receive a grade of F in this course and will be reported to the Department/Faculty Office/University Disciplinary Committee for further disciplinary action. There will be no exceptions. If you are not sure what constitutes an academic offense of plagiarism, check out the webpage at http://www.hku.hk/plagiarism. The Department has formulated policies/guidelines on student misconduct. Visit the website at https://www.psychology.hku.hk/?page_id=1814 for more information.

Plagiarism
A softcopy is 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
Late assignments are subject to a penalty of 25% deduction per-day, unless valid medical proof (medical certificate) is presented. Each assignment submission should be accompanied by a title page with the course code, lecturer’s name, your name, UID, and tutorial session written clearly.

Assessment Feedback
We strive to return assessment results (i.e., assignment and quiz results) within three weeks of submission. Students will be invited to review their exercises throughout the term.
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<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 15</td>
<td>Introduction&lt;br(Methods (Psychophysics))</td>
<td>Chapter 1 pp. 13-18; pp. 384-393</td>
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<td>2</td>
<td>Jan 22</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>Jan 29</td>
<td>Vision II. Cortical organization</td>
<td>Chapter 4</td>
<td>Tutorial I: Receptive fields Tutor-driven revision</td>
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<td>4</td>
<td>Feb 5</td>
<td>No class (Lunar new year)</td>
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<td>5</td>
<td>Feb 12</td>
<td>Vision III. Object perception</td>
<td>Chapter 5</td>
<td>Tutorial II: Research methods Tutor-driven revision</td>
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<td>6</td>
<td>Feb 19</td>
<td>Vision IV. Motion perception</td>
<td>Chapter 8</td>
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<td>7</td>
<td>Feb 26</td>
<td>Vision V. Colour perception</td>
<td>Chapter 9</td>
<td>Tutorial III: Object perception Mini-assignment to be completed in-tutorial (in groups)</td>
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<td>8</td>
<td>Mar 5</td>
<td>No class (Reading Week)</td>
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<td>9</td>
<td>Mar 12</td>
<td><strong>Mid-term Quiz</strong> (10:30 – 12:20; Venues: CPD-LG.18, MB167 and TT403)</td>
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<td>10</td>
<td>Mar 19</td>
<td>Vision VI. Depth and Size</td>
<td>Chapter 10</td>
<td>Tutorial IV: Colour Learn how to screen for colour deficiencies!</td>
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<td>11</td>
<td>Mar 26</td>
<td>Audition I. Perception and physiology</td>
<td>Chapter 11</td>
<td>Assignment Consultation (By appointment)&lt;br&gt;Use this opportunity to clarify questions about your term paper!</td>
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<td>12</td>
<td>Apr 2</td>
<td>Audition II. Localization and organization&lt;br&gt;(Final Paper Due)</td>
<td>Chapter 12</td>
<td>Tutorial V: In-Tutorial Presentations Lessons learned from perceptual illusions</td>
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<td>13</td>
<td>Apr 9</td>
<td>Other considerations: Perception and Action</td>
<td>Chapter 7</td>
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<td>14</td>
<td>Apr 16</td>
<td>No Class (Study, study, study!)</td>
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<td>Tutorial VI: Perception and Action Sensorimotor calibration</td>
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<td>15</td>
<td>Apr 23</td>
<td><strong>Final Quiz</strong> (10:30 – 12:20; Venues: CPD-LG.18, MB167 and TT403)</td>
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Note: The schedule, readings, and assignments are subject to change. Any changes will be announced in class.