THE UNIVERSITY OF HONG KONG
DEPARTMENT OF PSYCHOLOGY
HUMAN NEUROPSYCHOLOGY (PSYC3054)
Semester II, 2020/21

Instructor: Dr Nichol WONG
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Office hours: Wednesday, 1.30 pm – 2.30 pm

Tutor: Ms Hilary NGAI
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Email: hilngai@connect.hku.hk
Office hours: Monday, 11.00 am – 12.00 noon

Day/Time/Venue of Lectures: Wednesday, 2.30 pm – 4.20 pm, Online

Day/Time/Venue of Tutorials: Friday, 11.30 am – 12.20 pm, Online

Learning Outcomes
To acquire the basic principles of:
1. Brain-behaviour connection via reviewing (1.1) the neuroanatomical and neuropsychological mechanisms underlying some cognitive processes and (1.2) how brain functions are dysregulated in some common brain disorders.
2. Research methods employed to understand brain-behaviour relationships.

Textbook

Assessment
• Midterm Test, 20%
• Final Test, 25%
• Journal article critique, 20% (1000 words, APA format)
• Collaborative research proposal, 25% total
  o Proposal draft, 5% (<2 pages)
  o Final proposal, 20% (2000 words, APA format)
• Attendance and participation, 10%

Note: Tutorial attendance is mandatory, and participation will be observed during tutorials.

Note: All assignments must be submitted by 5.30 pm on the due date. Late submission without a prior arrangement will not be marked.
Assignments

• **Journal article critique (1000 words, 20% of the final mark):** Students will be assigned a scientific journal article to review and critique based on the guideline covered during the second tutorial session. The critique should include: i) a concise summary of the study (what was done and why, how it was done, what was found, and what the findings mean); ii) a description of the strengths of the study; iii) a point-by-point description of your criticisms of the study, including your recommendation on how each point may be addressed; iv) additional comments/recommendation on the study as needed.

• **Collaborative research proposal (2000 words, 25% of the final mark):** The class will be divided into groups of 3-4 students. Each group is required to develop and submit a research proposal based on a topic chosen by the course instructor. This assignment will be submitted in two stages:

1. You will be required to develop a brief first draft (about 2 pages, 5% of the final mark) summarising the proposed research, which includes i) the research questions and a description of why they are relevant to the existing literature, ii) the corresponding hypotheses, and iii) a brief description of the methods. You will be given feedback on this first draft by the course instructor/tutor within two weeks following the submission deadline.

2. Based on the feedback of your initial draft, the final proposal (2000 words, 20% of the final mark) will describe your study in detail, including i) a background summary of the research topic, ii) relevant and novel research questions arising from your understanding of the literature, iii) specific aims and testable hypotheses of your proposed study, and iv) description of the methods (participant recruitment, assessment and other procedures, statistical analysis plan).

Make-up test policy: For cases of absence in midterm or final test due to medical reason, a make-up test will be arranged only if a valid medical proof is provided. Requests for a make-up test should be sent by email to the course tutor within two days after the day of original test.

Feedback policy: Student may expect to receive feedback within two weeks after the deadline of journal critique and draft of research proposal. Test papers will not be returned to students while students could request for individual feedback for tests through meeting with course tutor.

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 on the component(s) of assessment concerned or 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 the academic offense of plagiarism, checkout the webpage at [https://tl.hku.hk/plagiarism/](https://tl.hku.hk/plagiarism/). Department of Psychology has formulated departmental policies/guidelines on student misconduct. Visit the website at [https://psychology.hku.hk/useful-information-to-current-students/](https://psychology.hku.hk/useful-information-to-current-students/) for more information.
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 plagiarised 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 Department/Faculty Office/University Disciplinary Committee for consideration of possible disciplinary action.
<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Topics</th>
<th>Tutorials</th>
<th>Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/01</td>
<td>1. Neuropsychology Overview</td>
<td>-</td>
<td>Ch 1</td>
</tr>
<tr>
<td>27/01</td>
<td>2. Nervous System and Neurons</td>
<td>Overview</td>
<td>Ch 3, 4</td>
</tr>
<tr>
<td>03/02</td>
<td>3. Neurotransmission and Psychopharmacology</td>
<td>Reading a scientific paper critically</td>
<td>Ch 5, 6</td>
</tr>
<tr>
<td>10/02</td>
<td>4. Methods for Studying Brain Disorders</td>
<td>-</td>
<td>Ch 7, 28</td>
</tr>
<tr>
<td>24/02</td>
<td>5. Sensory and Motor Systems</td>
<td>Planning and conducting a research study</td>
<td>Ch 8, 9</td>
</tr>
</tbody>
</table>
| 03/03  | 6. Functional Neuroanatomy I                       | Writing a research proposal     | Ch 13, 14, 15     
|        |                                                    |                                | Article critique due by 5.30 pm |
| 17/03  | 7. Functional Neuroanatomy II                      | Midterm test preparation       | Ch 16, 17, 18, 19 |
| 24/03  | **MIDTERM TEST**                                   | -                              | -                 |
| 31/03  | 8. Brain Disorders I                               | -                              | Ch 26             
|        |                                                    |                                | Proposal draft due by 5.30 pm |
| 07/04  | 9. Brain Disorders II                              | Feedback on journal article critique | Ch 27          |
| 14/04  | 10. Normal and Abnormal Neurodevelopment           | Feedback on proposal draft     | Ch 23, 24         |
| 21/04  | 11. Neuroplasticity and Rehabilitation             | Final test preparation         | Ch 25             |
| 28/04  | **FINAL TEST**                                     | -                              | -                 |
| 05/05  |                                                    | -                              | Final proposal due by 5.30 pm |