Instructor: Dr. Kim Good
Professor
Department of Psychiatry

Office: 4064 Abbie J. Lane Building,
Or LSC 4316A
902-473-4250
902-494-1429 (office hours)

Email: Please! through Brightspace (D2L).

Office hours: Thursdays 10-12
OR: by appointment (call or email to book an appointment)

TA: Libby Myles (libby.myles@dal.ca)
Office hours: appointments as needed. Please email her
LSC 4226

Lectures: Tuesdays and Thursdays 8:35-9:55
LSC C236

Course Description
Clinical neuropsychologists study the organization of cognitive, emotional, and social functions in the brain to understand how brain damage alters human behaviour across the lifespan. The knowledge content of the course addresses how clinicians diagnose and rehabilitate persons with brain diseases and disorders. Each experience in the course is designed to enhance the learner's scientific and critical thinking skills.

Course Prerequisites
NESC 2470/PSYO 2470 or PSYO 2770 or PHYL 2041, NESC/PSYO 2130 is recommended

Learning Objectives
At the end of this course we expect students will be able to do the following:

1. Demonstrate an integrated understanding of the facts and theories in human neuropsychology and how these are applied in practice.
2. Demonstrate an understanding of how to effectively organize and develop a group presentation that communicates clearly to classmates meaningful scientific knowledge or advancements in clinical practice.
3. Demonstrate through oral communication that critical thinking skills were
used to evaluate the scientific merit of a recent empirical publication
4. Explain orally in class the main points of the chapter, lectures and group presentations.
5. Demonstrate an ability to apply consistent standards of critical thinking to the quality of one’s own work and of other group presentations.

Course Materials
Required Text:
Fundamentals of Human Neuropsychology by Kolb, B. and Whishaw, I.

As this is a third year course, other readings will be assigned and you will be expected to integrate these readings with the required chapters.

Course Assessment

Participation (5%)

- Attendance in class enhances learning by extending your textbook knowledge to lecture material and to the group presentations of empirical studies related to topics discussed in the chapters. Class participation and exercises increase active learning.
- Each student applies standards of critical thinking and offers constructive criticism on how to improve group presentations by handing in an evaluation after the class. If you hand in 14 evaluations, you are assigned 5 marks. If you hand in 13, 12, 11, 10 or 9 evaluations, you will start losing 1 participation mark (i.e., 4, 3, 2, 1, 0), respectively. No one else may hand in your evaluation, since you have to have attended the presentation! Submitting an evaluation for a student who did not attend the group presentation is academic dishonesty.

Independent reading for understanding (15%)

- Read the textbook chapter assigned for each class BEFORE the lecture. The purpose of taking a fact based quizzes each week before the lecture is to prepare you to link the textbook content to new material on the same topic. QUIZZES for Chapters 11 to 28 appear on Brightspace. These are CLOSED book quizzes from the publisher. You must take 15/18 quizzes to earn 15 marks, no exceptions. If you take all 18, the 3 lowest marks are dropped. You will have 15 minutes to complete the quizzes.

Group presentation (15%)

- Join a presentation group in the first week of the course by selecting a date and topic that coincides with the assigned chapter/topic. Contact your
team members immediately. Demonstrate your critical thinking skills by selecting an empirical article that links conceptually to the textbook, is clear in content, is empirically sound, and contributes important new knowledge. Be sure that the paper chosen is recent AND contains data (human subjects) that will enhance the lectures presented. Follow the group presentation guidelines on Brightspace to ensure a high quality learning experience. The presentation may not be longer than 15 minutes. Each person in the group must speak.

- The presentation must be videotaped and uploaded to Brightspace by the date specified (typically 2 days before it is presented in class). As well, the journal article that is being presented must also be uploaded into Brightspace. In class, all members of that group should be present in order to answer questions posed by peers and the instructor.
- The assignment includes the generation of 3 excellent multiple choice questions that tap critical thinking from the audience. All members are assigned the same mark out of 15. It is not the professor’s responsibility to make sure that the groups are contacting each other prior to the deadline. Be sure you are clear about which week you are signed up for!

*Integrating the knowledge base through applied thinking (65%)*

- There are 3 tests that contain applied multiple choice questions. Each test covers a section of the course. Test 4 (final exam) expects you to be able to apply basic concepts and terms in clinical neuropsychology. Each midterm is worth 20%. The final test is worth 25%. **As you may drop the mark of one of your midterms, there are no make up tests in this course.** As such, there is no need to submit a Declaration of Absence form if you wish to miss a midterm. The tests sheets will not be returned, but you may view your test and the answers, and appeal your mark within 5 days of receiving a mark by attending office hours.
- **Missing two (or more) midterms or the final exam will lead to a grade of F for the course.**
- Test 1 Jan 28, 2020
  Test 2 Feb 25, 2020
  Test 3 March 12, 2020

**Marking Scheme:**

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<thead>
<tr>
<th></th>
<th>2 midterms (20% each) (Best 2/3 marks)</th>
<th>40%</th>
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<tbody>
<tr>
<td>Midterms</td>
<td>Final</td>
<td>25%</td>
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<tr>
<td>Final</td>
<td>Quizzes</td>
<td>15%</td>
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<tr>
<td>Quizzes</td>
<td>Group presentation</td>
<td>15%</td>
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<tr>
<td>Group presentation</td>
<td>Class participation</td>
<td>5%</td>
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<td></td>
<td>Throughout the term</td>
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Late presentations: Minus 10% per day late.
Cancelled tests and presentations: If weather disrupts the class schedule, the test or presentation will be automatically rescheduled to the next regularly scheduled class date.

Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

- A+ (90-100)
- B+ (77-79)
- C+ (65-69)
- D (50-54)
- A (85-89)
- B (73-76)
- C (60-64)
- F (<50)
- A- (80-84)
- B- (70-72)
- C- (55-59)

Classroom activities

- **Policy on Recording Lectures/Presentations:** Students do not have the right to record lectures (using any type of device) without written permission from the instructor/professor/students.

- **Guidelines on Using Internet and Communication Devises in Classroom:** Computers may be used to look at or take notes during class. If you intend to use your computer to communicate (i.e., text messaging, chat, email, etc), or do non-course related activity, be courteous and sit in the two back rows, so that your screen is not visible to others. Turn off the sound.

- Kindly turn off cell phones or put on meeting mode during class time.

- Students are expected to listen carefully to others during classroom Q and A, and presentations.

Email correspondence

My usual time for responding to emails is 24 hours. Any reply that you receive earlier than this should be considered a gift…

**Accommodations:**
Students may request accommodation as a result of barriers related to disability, religious obligation, or any characteristic under the Nova Scotia Human Rights Act. Students who require academic accommodation for either classroom participation or the writing of tests and exams should make their request to the Advising and Access Services Center (AASC) prior to or at the outset of the regular academic year. Please visit www.dal.ca/access for more information and to obtain the Request for Accommodation -- Form A.

A note taker may be required as part of a student's accommodation. There is an honorarium of $75/course/term (with some exceptions). If you are interested, please contact AASC at 494-2836 for more information.
<table>
<thead>
<tr>
<th>DATE</th>
<th>Topic (chapters)</th>
<th>Readings</th>
<th>Homework Assignments</th>
<th>Group presentations</th>
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<tbody>
<tr>
<td>Tues Jan 7, 2020</td>
<td>Objectives: Students familiarize themselves with the course content, format, assignments, marking scheme, professor’s expectations, and Brightspace (D2L) resources.</td>
<td>Chs 1-10 (review)</td>
<td>(1) Read Chapter 11 before next class; (2) Take Quiz 1; and (3) Sign up for a group presentation on D2L (Deadline: January 14, 2020)</td>
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<tr>
<td>Thurs, Jan 9 2020</td>
<td><strong>Chapter 11 Cerebral Asymmetry</strong></td>
<td>Ch. 11</td>
<td>(1) Read Chapter 12 before next class; (2) Take Quiz 2 3) Sign up for a group presentation on D2L (Deadline: January 14, 2020 ); and (4) Read Bartha-Doering et al., 2018 (posted)</td>
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<td>Tues Jan 14, 2020</td>
<td><strong>Chapter 12: Variations in Cerebral Asymmetry</strong></td>
<td>Ch 12</td>
<td>(1) Read Chapter 13 before next class; (2) Take Quiz 3; and, (3) Sign up for a group presentation on D2L (Deadline: January 14, 2020) In class video demonstration of a group presentation</td>
<td>GROUP 1</td>
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<td>Thurs Jan 16, 2020</td>
<td><strong>Chapter 13: The Occipital Lobes. VIDEO</strong></td>
<td>Ch 13</td>
<td>(1) Read Chapter 14 before next class; (2) Take Quiz 4; and, (3) Sign up for a group presentation on D2L (Deadline: January 14, 2020) Video: The Stranger in the Mirror GROUP 1</td>
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<tr>
<td>Tues Jan 21, 2020</td>
<td><strong>Chapter 14: The Parietal Lobes</strong></td>
<td>Ch 14</td>
<td>(1) begin review for Test 1 Group 2</td>
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<tr>
<td>Thurs Jan 23, 2020</td>
<td><strong>MCQs and Review</strong></td>
<td>Notes on Brightspace</td>
<td>(1) Prepare for Test I Extra group if needed</td>
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<tr>
<td>Tues, Jan 28, 2020</td>
<td><strong>TEST I</strong></td>
<td>Test I - 40 MCQs, Chapters 11, 12, 13, and 14, the lecture material from the first classes, and audio/video</td>
<td>(1) Read Chapter 15 before next class; (2) Take Quiz 5</td>
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<td>Date</td>
<td>Chapter/Video/Activity</td>
<td>Chapter</td>
<td>Assignment</td>
<td>Group</td>
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<td>Thurs Jan 30, 2020</td>
<td>Chapter 15: The Temporal Lobe</td>
<td>Ch 15</td>
<td>(1) Read Chapter 16 before next class; and (2) Take Quiz 6</td>
<td>GROUP 3</td>
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<td>Tues Feb 4, 2020</td>
<td>Chapter 16: The Frontal Lobes</td>
<td>Ch 16</td>
<td>(1) Read Chapter 17 before next class; and (2) Take Quiz 7</td>
<td>GROUP 4</td>
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<td>Thurs Feb 6, 2020</td>
<td>Chapter 17 Disconnection Syndromes VIDEO</td>
<td>Ch 17</td>
<td>(1) Read chapter 18 before next class (2) Take Quiz 8</td>
<td>Video: Cortical Organization GROUP 5</td>
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<td>Tues Feb 11, 2020</td>
<td>Chapter 18 Learning and Memory</td>
<td>Ch 18</td>
<td>(1) Read Chapter 19 before next class (2) Take Quiz 9</td>
<td>GROUP 6</td>
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<tr>
<td>Thurs Feb 13, 2020</td>
<td>Chapter 19 Language REVIEW</td>
<td>Ch 19</td>
<td>(1) Prepare for TEST II</td>
<td>GROUP 7</td>
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<td>Tues/Thurs Feb 18/20</td>
<td>Winter Break ENJOY!</td>
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<td>Prepare for TEST II</td>
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<tr>
<td>Tues Feb 25, 2020</td>
<td>TEST II</td>
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<td>(1) Read Chapter 20 (2) Take Quiz 10</td>
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<tr>
<td>Date</td>
<td>Chapter/Section</td>
<td>Chs</td>
<td>Instructions</td>
<td>Group</td>
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| Thurs Feb 27, 2020 | Chapter 20: Emotion                                 | Ch 20| (1) Read Chapter 21 before the next class  
(2) Take Quiz 11                                                                                   | GROUP 8 |
| Tues Mar 3, 2020  | Chapter 21: Spatial Behaviour                        | Ch 21| (1) Read Chapter 22 before the next class  
(2) Take Quiz 12                                                                                   | GROUP 9 |
| Thurs March 5, 2020 | Chapter 22: Attention and Concentration              | Ch 22| (1) Read Chapter 23 and 24 before the next class  
(2) Take Quiz 13                                                                                   | GROUP 10 |
| Tues Mar 10, 2020 | Chapter 23 and 24: Developmental Brain Disorders (Epilepsy) REVIEW | Ch 23 and 24| (1) Begin review for Test III                                                                   | GROUP 11 |
| Thurs Mar 12, 2020 | TEST III                                            |      | (1) Read Chapter 25 before the next class  
(2) Take Quiz 14                                                                                   | Group 12 |
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<thead>
<tr>
<th>Date</th>
<th>Assignment</th>
<th>Chapter</th>
<th>Notes</th>
<th>Group</th>
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| Tues Mar 17, 2020 | **Chapter 25 Adult Rehabilitation**                                        | Ch 25   | (1) Read Chapter 26 before the next class  
(2) Take Quiz 16 (open until March 19)                                                       |       |
| Thurs Mar 19, 2020| **Chapter 26 Neurological Disorders (Concussion and CTE)**                   | Ch 26   | 1) Read Chapter 26 before next class  
2) Read assigned reading (posted)                                                             | GROUP 13 |
| Tues Mar 24, 2020 | **Chapter 26: Neurological Disorders (Stroke) Guest Lecturer**              | Ch 26   | 1) Read Chapter 27 before the next class  
2) Take Quiz 17 (open until March 31)                                                         | GROUP 14 |
| Thurs Mar 26, 2020| **Chapter 27: Psychiatric and Related Disorders (Depression and Schizophrenia)** | Ch 27   | (1) Read Chapter 27 before next class                                                     | GROUP 15 |
| Tues March 31, 2020| **Chapter 27: Psychiatric and Related Disorders (Dementia)**               | Ch 27   | (1) Read Chapter 28 before the next class  
(2) Take Quiz 18                                                                            | GROUP 16 |
| Thurs April 2, 2020| **VIDEO REVIEW**                                                            |         | (1) Prepare for FINAL EXAM                                                                  | Group 17 |
|                  | **DURING FINAL EXAM TIME**                                                 |         | 50 Multiple Choice Questions, Some Short Answer, Short Essay  
Content: Kolb and Wishaw, Chapters 25, 26, 27, and 28; lecture content, presentations and Videos |       |