



## PSYD50H3 F LEC01: Current Topics in Memory & Cognition

Winter 2017

Fridays 1pm – 3pm SW316

<b>Instructor:</b>	Dr Andy Lee
<b>Office:</b>	SW413
<b>Email*:</b>	<a href="mailto:psyd50.utsc@gmail.com">psyd50.utsc@gmail.com</a>
<b>Website:</b>	Blackboard
<b>Office hours</b>	Week 2 – 3 Fridays 11am – 1pm Week 4 onwards: Thursdays 12 – 2pm SW413

***\*Please address*** questions to this email address. Emails pertaining to PSYD50 sent to Dr Lee's personal account will not be answered.

### 1. Course Description and Objectives

How does the brain process memories? Do different brain regions make distinct contributions to memory processing? Are there different types of memories? The present course is designed to provide you with an in-depth understanding of some of the key issues in the cognitive neuroscience of memory. Although you may have come across some of these topics in previous courses in Years 1 to 3, you will soon discover that there is considerable debate surrounding each one, with conflicting experimental data, differing interpretations of studies, and contrasting theoretical viewpoints. Throughout the course, you will be encouraged to engage in discussion and debate with your peers, and you will be given the opportunity to develop your critical thinking and presentation (written and oral) skills. In summary, by the end of the course, you will:

- A) Be knowledgeable in a number of current 'hot topics' in cognitive neuroscience memory research focused largely on the functions of the medial temporal lobe structures.
- B) Be able to consider experimental data critically, and reconcile divergent findings.
- C) Understand how to discuss and critique experimental studies in the context of a written article or an oral presentation.
- D) Develop your own viewpoint on the basis of evidence available in the literature.

The last three skills are particularly crucial as they are transferable to other courses and more importantly, will serve you well in the future no matter what further studies/career you pursue.



## 2. Tentative schedule

You will all be divided into 6 groups in Week 2. The assigned work (critique paper or oral presentations) for Weeks 3 to 8 will depending on which group you are in.

<u>Date</u>	<u>Topic</u>
January 6	<b>Overview of syllabus</b> <b>Introduction to the course</b> Laying the foundations: fundamental anatomy, techniques and theories.
January 13	<b>Writing a critique paper I</b> A practical session based on two contradicting papers.
January 20	<b>Writing a critique paper II and introduction to recollection &amp; familiarity</b> Continuing practical from Week 2, and lecture on recollection and familiarity.
January 27	<b>Recollection &amp; Familiarity I</b> Discussion of 2 research articles. Note on oral presentations.
February 3	<b>Recollection &amp; Familiarity II</b> Debate: group 1 vs. group 2. <i>Groups 3, 4, 5, 6 recollection/familiarity critique paper due.</i>
February 10	<b>Long-term &amp; short-term memory I</b> Introducing key concepts and discussion of 2 research articles.
February 17	<b>Long-term &amp; short-term memory II</b> Debate: group 3 vs. group 4. <i>Groups 1, 2, 5, 6 recollection/familiarity critique paper due.</i>
February 24	<b>Reading week – no class</b>
March 3	<b>Memory &amp; perception I</b> Introducing key concepts and discussion of 2 research articles
March 10	<b>Memory &amp; perception II</b> Debate: group 5 vs. group 6. <i>Groups 1, 2, 3, 4 recollection/familiarity critique paper due.</i>
March 17	<b>Synthesis: so what does the medial temporal lobe do?</b> General discussion and information session on final paper.
March 24	Final paper advice by appointment
March 31	<b>Episodic memory rehabilitation</b> Discussion of research article.
April 5	<i>All students' final written assignment due.</i>



Any slides will be posted on the course website (in the “Content” section) **by midnight at the latest** the night before the lecture. You may find it useful to print out a copy of the slides and bring it to the lecture for note taking.

**Drop dates: March 19<sup>th</sup>** Last day to drop S courses without academic penalty and have them removed from the transcript (on ROSI only). **April 4<sup>th</sup>** Last day to drop S courses (on eService only) and have them remain on the transcript with a grade of LWD indicating withdrawal without academic penalty. After this date grades are recorded on transcripts whether course work is completed or not (with a '0' assigned for incomplete work) and they are calculated into GPAs.

### 3. Course reading

There is no required textbook for this course. All the readings will be based on primary articles in the literature and will be assigned on a weekly basis and with links to the articles posted on Blackboard.

## 4. Course evaluations

### 4.1. Summary

**10% Class participation**  
**10% Critique paper 1**  
**20% Critique paper 2**  
**15% Oral presentation**  
**45% Final written assignment**

### 4.2. Details

#### A) Class participation (10%)

This will be assessed by weekly attendance (4%) and contributions to class discussions (6%).

#### B) Critique papers (Paper 1 10%; Paper 2 20 %)

Everyone will be required to write two critique papers, each based on two contradicting articles. There will be a workshop on how to write a critique paper in week 2 but in brief, each paper should set the theoretical background, summarise the studies, provide a critical analysis of the findings, and come to a conclusion by reconciling the disparate data. Each paper should cite a minimum of 2 articles in addition to the two main articles to back up any claims you make and should be between **1000 – 1500 words**, not including title or reference list. Please use 12-point font, double spacing, 1 inch margins, and Microsoft Office or PDF file format. All references should be listed using APA-style. **The papers must be submitted by email by the beginning of the specified class to [psyd50.uts@gmail.com](mailto:psyd50.uts@gmail.com) (see course schedule table for due dates).** The critique papers will be marked on the basis of structure and clarity (5%), accuracy (5%) and critical analysis (5%).



C) **Oral presentation (15%)**

Everyone will be required to give an oral presentation as part of the 'Debate' sessions. Each debate will involve two groups, each taking opposite sides of a theoretical debate. Each group will be given a reading list and each member of the group will be asked to give a 10 minute PowerPoint oral presentation on an article from the reading list describing the theoretical background of the study, the methods and findings of the study, the strengths of the study, and why the study is important evidence for the theoretical viewpoint it supports. Similar to the critique papers, the presentations will be marked on the basis of structure and clarity (5%), accuracy (5%) and critical analysis (5%). After the individual presentations, the floor will be open for questions and each group must argue for their theoretical viewpoint.

D) **Final written assignment (45%)**

Everyone will be required to write a final assignment, which **must be submitted by email by 11:59pm on April 5th 2017 to [psyd50.utsc@gmail.com](mailto:psyd50.utsc@gmail.com)**. The topic of each student's final assignment will be the same as that for his or her oral presentation (titles will be assigned in due course). The final assignment is basically a longer and more in-depth version of the critique papers, covering a wide range of articles. The paper should be **3000 – 4000 words** not including title or reference list, typed in 12-point font, double-spaced with 1 inch margins and in Microsoft Office or PDF file format. All references should be listed using APA-style. The final assignment will be assessed for clarity (15%), accuracy (15%) and critical analysis (15%).

## 5. Course Policies

### 5.1 Late assignments

Critique papers are due **at the beginning of class** on the specified due date, whereas the final assignment is due at 11:59pm on the specified date. Except in the case of a documented emergency (see above), **for every 24 hours that the paper is late, 10% will be docked off the final mark. For instance, for the first deadline Jan 27th, a paper handed in past 1pm on Jan 28th will only receive 90% of the mark the quality of the work deserves, a paper handed in past 1pm on Jan 29th will only receive 80% of the mark the quality of the work deserves, and so forth.** Appropriate documentation is required in all emergency situations. Unless you have a legitimate, documented emergency, NO EXTENSIONS WILL BE GIVEN.

### 5.2 Missed assignments due to medical illness or emergency

All students citing a documented reason for missed assignments must bring their documentation to the **Undergraduate Course Coordinator, Ainsley Lawson**, within three (3) business days of the term test / assignment due date. All documentation must be accompanied by the departmental Request for Missed Term Work form (<http://uoft.me/PSY-MTW>).

In the case of missed term work due to illness, only an **original copy** of the official UTSC Verification of Illness Form (<http://uoft.me/PSY-MED>) will be accepted. Forms are to be completed in full, clearly



indicating the start date, anticipated end date, and severity of illness. The physician's registration number and business stamp are required.

In the case of other emergency, a record of visitation to a hospital emergency room or copy of a death certificate may be considered.

Forms should be dropped off in **SW427C between 9 AM - 4 PM, Monday through Friday**. Upon receipt of the documentation, you will receive an email response from the Course Instructor / Course Coordinator within three business days. The Course Instructor reserves the right to decide what accommodations (if any) will be made for the missed work.

**Failure to adhere to any aspect of this policy may result in a denial of your request for accommodation.**

### 5.3 Grading

#### Scale

NUMERICAL MARKS	LETTER GRADE	GRADE POINT VALUE
90 - 100%	A+	4.0
85 - 89%	A	4.0
80 - 84%	A-	3.7
77 - 79%	B+	3.3
73 - 76%	B	3.0
70 - 72%	B-	2.7
67 - 69%	C+	2.3
63 - 66%	C	2.0
60 - 62%	C-	1.7
57 - 59%	D+	1.3
53 - 56%	D	1.0
50 - 52%	D-	0.7
0 - 49%	F	0.0

**Guidelines (<http://www.writing.utoronto.ca/advice/general/grading-policy>):**

**A+** Outstanding performance, exceeding even the A described below.

**A** Exceptional performance: strong evidence of original thinking; good organization, capacity to analyse and synthesize; superior grasp of subject matter with sound critical evaluations; evidence of extensive knowledge base.

**B** Good performance: evidence of grasp of subject matter; some evidence of critical capacity and analytic ability; reasonable understanding of relevant issues; evidence of familiarity with the literature.



**C** Intellectually adequate performance: student who is profiting from her or his university experience; understanding of the subject matter and ability to develop solutions to simple problems in the material.

**D** Minimally acceptable performance: some evidence of familiarity with subject matter and some evidence that critical and analytic skills have been developed.

**F** Inadequate performance: little evidence of even superficial understanding of the subject matter; weakness in critical and analytic skills; with limited or irrelevant use of literature.

**Note:** for all written work, consistently poor spelling/grammar will be penalised. Please make use of the UTSC writing centre if you feel you need additional help with writing or want to develop your writing skills further: <http://www.utsc.utoronto.ca/twc/>.

#### 5.4 Contesting a grade

All requests for a re-grade must be submitted **in writing** within two weeks of the day the grade is received. Only requests that include adequate written justification of an error in the original grading will be considered. *A legitimate request will result in the entire assignment being re-graded. Your overall grade may be raised, lowered, or it may stay the same. Arbitrary requests for grade increases will not be entertained (e.g., “I need to get into grad school, so could you please give me a higher grade?”).*

#### 5.5 Video and Auditory Recording

For reasons of privacy as well as protection of copyright, unauthorized video or audio recording in classrooms is prohibited. This is outlined in the Provost’s guidelines on *Appropriate Use of Information and Communication Technology*. Note, however, that these guidelines include the provision that students may obtain consent to record lectures and, “in the case of private use by students with disabilities, the instructor’s consent must not be unreasonably withheld.”

#### 5.6 Accessibility

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. I will work with you and AccessAbility Services to ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC AccessAbility Services staff (located in S302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416) 287-7560 or [ability@utsc.utoronto.ca](mailto:ability@utsc.utoronto.ca).

#### 5.7 Academic Integrity

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student’s individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto’s Code of Behaviour on Academic Matters (<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>) outlines the behaviours that



constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

**In papers and assignments:**

- Using someone else's ideas or words without appropriate acknowledgement.
- Submitting your own work in more than one course without the permission of the instructor.
- Making up sources or facts.
- Obtaining or providing unauthorized assistance on any assignment.

**On tests and exams:**

- Using or possessing unauthorized aids.
- Looking at someone else's answers during an exam or test.
- Misrepresenting your identity.

**In academic work:**

- Falsifying institutional documents or grades.
- Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources (see <http://www.utoronto.ca/academicintegrity/>).