

## Psychology 333 Syllabus

# Memory: Historical, Clinical & Cognitive Perspectives

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or by appointment

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\* FYI: Emails that require more than a sentence or two will be answered with a “come see me about this” (this is true for both of us). Keep in mind that emails may not be returned for up to 48 hours.

Textbook *Learning and Memory: From Brain to Behavior (2<sup>nd</sup> Edition)* Gluck, Mercado & Meyers  
One copy will be on reserve at the Koerner Library (2 hour loan)

Pre-Requisites Either (a) PSYC 100 or (b) all of PSYC 101, PSYC 102 or (c) 6 credits of 200-level Psychology (but not 205 or 263). Non-PSYC students may substitute LING 460 or LING 200 and 201 for the above prerequisite.

Objectives The primary objective of this course is to acquaint students with a range of topics within the major areas of human memory by:

- Exploring the basic categories of memory and their clinical implications
- Reviewing the neural correlates for memory processes
- Exploring simple mathematical, network, and animal models of memory in support of theoretical understanding
- Discussing the applications of current knowledge to real world issues and
- Considering new important findings from primary research that have the potential to radically alter the way we think about memory

In parallel, in this course you will learn to:

- Collect information supported by evidence, and analyze data
- Recognize when previous knowledge has to be re-evaluated as a result of new discoveries
- Fit newly gained information into a growing framework of understanding
- Develop well thought out and supported arguments
- Communicate effectively in a manner acceptable to the audience, in a variety of modes
- Collaborate effectively with other contributing participants in group work
- Manage projects and course work together with other commitments
- Reflect on your learning and how it relates beyond this course

### References:

Mourshed, M., Farrell, D., & Barton, D. (2013). Education to employment: Designing a system that works. Retrieved from <http://mckinseysociety.com/education-to-employment/report/>

Rodney, Y. (2011). Preparing students for jobs that do not yet exist: A look at the core competencies needed. Toronto, ON: University of Toronto.

United Nations (2013). United Nations competencies for the future. Retrieved from <https://careers.un.org/lbw/home.aspx?viewtype=WWLF>

Lectures Their location & time is Buchanan A Room 201: Mon/Wed/Fri 10:00-10:50am. I do value your attendance, and greatly encourage critical thinking and productive interactions between instructor and students, TA and students as well as among students. To make it a fully productive experience for everybody, please feel free to ask questions during the lecture and afterwards. *Before* each lecture, please read the assigned textbook pages and download/read the relevant slides from *Connect* (see below). Please bring a pencil to the lecture. You may be asked on a voluntary basis to write down one-minute papers and/or brief end-of-the-lecture comments, as instructed (see also the detailed Course Schedule, required readings and lecture subjects on page 5 of this Syllabus).

Connect Login to at [www.connect.ubc.ca](http://www.connect.ubc.ca). You are responsible for announcements posted on *Connect*. The lecture slides will be posted on *Connect* under Course Content > Lecture Slides. In most cases, this will be done the day before a lecture, and the instructor reserves the right to post revised lecture slides after the lecture. In addition, lecture slides will be mostly images and sparse in text, so regular attendance will be important to get a good grade.

Behavior If you are chatting during the lecture I will ask you to be quiet and/or I may ask you to leave. Disruptive behavior of any kind disturbs your classmates and it is disrespectful. For the same reasons you should arrive on time and ready to work, and be prepared to stay until the end. If you frequently violate these policies you may be singled out to meet me privately to explain yourself, and you will be penalized 2% for each meeting.

Exams

Appraisal Tool	Points	Dates
Mid-term 1	15% *	Oct 7, 2015
Mid-term 2	15% *	Nov 6, 2015
Essay	20%	start: Sep 25 - due: Nov 23, 2015
Final	50% **	Dec 8 - 22, 2015 (inclusive & Saturdays) time/location: tba
Total Base Points Available:	100%	
HSP Bonus Credit	3% ***	
* 7.5% multiple choice, 7.5% long answers - the total <u>duration of each Mid-tem is 50 minutes</u> . ** multiple choice only - the total <u>duration of the Final is 2 hours</u> . *** Please note that any credit earned from HSP or the library option will be added at the end of term ABOVE and BEYOND the final assessed grade, and AFTER any scaling that may have been applied		

There will be two *Mid-term exams*. Each Mid-term exam will consist of both multiple choice and long answers questions (i.e. short-essays). Both the *Mid-term 2* and the *Final exam* will be cumulative, with an emphasis on material covered since the last Mid-term. The *Final exam* will consist of multiple choice questions only. All exams will be based on lecture materials and the required readings.

On the exam days, please do the following:

- **Bring your Student card or other picture ID**
- Write your name on any paper exactly as it appears on the official UBC records
- Bring at least one HB pencil
- Be sure to arrive on time since no additional time is given to students who arrive late

NOTE: If you fail to fill the scantron with your ID number or answers (i.e. you haven't transferred the answers from the booklet to the scantron) by the end of the test period, you will be given time to do so at a penalty of 5% of your exam grade per minute (or part thereof) required.

Midterms are available for review during the TA office hours once the grades have been posted, and will be available for review until the last day of classes. Please contact the TA directly if you wish to review your midterm but cannot make it to his regular office hours.

**Essay** The essay should be between 1000 and 1200 words. Write your ID number, as well as your name on your essay exactly as it appears on current, official UBC records. On September 25, the specific details regarding the essay will be available online in *Connect* and simultaneously discussed in class. No class hardcopy submission is required, only the electronic submission on *turnitin.com*. Late deductions start on November 23 at midnight (i.e. the start of Nov 24) for your *turnitin.com* submission. This deduction will accumulate until the final cutoff for submission on December 4.

**Credit Points: Experiment Participation** One way to learn more about psychology is to be a participant in ongoing research projects. You may earn up to 3 extra credit points (for a possible 3% added to your final grade) toward your course grade by participating in studies that are posted on <https://ubc-psych.sona-systems.com>. Please register in this online system by September 25, 2014. You can also earn your first half hour of credit by completing the Pre-screening Questionnaire that will make you eligible for a wider variety of studies. Please note that in a given term, you can earn no more than one hour of credit for online studies (not including the pretesting). If you intend for credit points to be applied to your grade in PSYC 333, you must assign them to this course by Nov 16 2014. Any points that remain unassigned past this deadline will not contribute to your grade in PSYC 333.

**Credit Point: Alternative: Library Option** As an alternative to participating in studies, you may choose to complete library-writing projects, in which you read and summarize a research article; each article summary counts as one hour of research participation. If you choose the library option, you must notify Dr. Belardetti by Nov 16 2014. You are to submit your article and your summary to [turnitin.com](http://turnitin.com). If you don't have a turnitin account already (from a previous course), you will need to create a user account in Turnitin. For the library assignment, the class ID is **6880064**, class name is **Library Option for HSP**, and password is **research**. See [www.turnitin.com](http://www.turnitin.com), and click on the "Training" link at the top of the page for detailed instructions on how to submit papers to Turnitin. All of your credits for study participation or the library option will be added to your final course grade, after any scaling that may have been applied. Note that credit points for a term paper (library-writing project) are assessed INSTEAD of experimental participation; it is not possible to earn extra credit for both.

**Grades Scaling** The Department of Psychology has a policy regarding grade distribution in Psyc 300-level courses: Class averages must range from 66%-69% with a standard deviation of 13%. Faculties, departments and schools reserve the right to scale grades in order to maintain equity among sections and conformity to university, faculty, department or school norms. Grades are not official until they appear on a student's academic record.

Missed/Late  
Assignment &  
Exam Policy

NON-EMERGENCY TRAVEL IS NOT A VALID EXCUSE FOR MISSING AN ASSIGNMENT OR EXAM. All excuses, including travel for varsity sports or extracurricular events, are only subject to acceptance if you have notified your instructor via email prior to the due date (assignment) or start of the exam. Acceptance will be strictly based on UBC policies and regulations on the matter. You will only be excused from missing an assignment or exam if you have documentation with your name on it and a date that is within +/- one day of the missed assignment or exam. Documentation may come from your doctor, counselor/ therapist/ psychiatrist, or may be in the form of a request for "Academic Concession" from Arts Academic Advising. All documentation must be personally presented to the instructor within ten days of the missed assignment/exam.

If you miss the midterm or the essay with a documented and valid excuse, the weight of the exam/assignment will be transferred to the final exam. Unexcused late essays will not be accepted.

Psychology  
Department's  
Position on  
Academic  
Misconduct:

Cheating, plagiarism, and other forms of academic misconduct are very serious concerns of the University, and the Department of Psychology has taken steps to alleviate them. In the first place, the Department has implemented software that can reliably detect cheating on multiple-choice exams by analyzing the patterns of students' responses. In addition, the Department subscribes to *TurnItIn*--a service designed to detect and deter plagiarism. All materials (term papers, essays, etc.) that students submit for grading will be scanned and compared to over 5 billion pages of content located on the Internet or in TurnItIn's own proprietary databases. In all cases of suspected academic misconduct, the parties involved will be pursued to the fullest extent dictated by the guidelines of the University. Strong evidence of cheating or plagiarism may result in a zero credit for the work in question. According to the University Act (section 61), the President of UBC has the right to impose harsher penalties including (but not limited to) a failing grade for the course, suspension from the University, cancellation of scholarships, or a notation added to a student's transcript. All graded work in this course, unless otherwise specified, is to be original work done independently by individuals. If you have any questions as to whether or not what you are doing is even a borderline case of academic misconduct, please consult your instructor. For details on pertinent University policies and procedures, please see Chapter 5 in the UBC Calendar (<http://students.ubc.ca/calendar>).

## Course Schedule

This plan is subject to change. Changes will be announced in class and posted on *Connect*

Week	Date	Topic	Required Reading	Notes
1	Sep 7	<i>no class</i>		<i>Labour Day</i>
	Sep 9	Syllabus & Historical Perspectives	Ch1: 1-16	
	Sep 11	Historical Perspectives	Ch1: 16-27	
2	Sep 14		Ch1: 27-37	
	Sep 16	A Neural Basis for Memory	Ch 2: 40-49	
	Sep 18		Ch 2: 49-65	
3	Sep 21		Ch 2: 65-70	
	Sep 23	Declarative: Episodic & Semantic	Ch 7: 259-266	
	Sep 25		Ch 7: 266-279	<b>Instructions for Essay will be discussed</b>
4	Sep 28		Ch 7: 280-294	
	Sep 30	Non-Declarative: Classical Conditioning	Ch 4: 117-133	
	Oct 2		Ch 4: 133-139, 141-148	<i>skip: Error Correction in Human.....</i>
5	Oct 5		Ch 4: 148-156	<i>skip: from Brain Rhythms.... to end of chapter</i>
	Oct 7	<b>MID-TERM - 1</b>		
	Oct 9	Emotional Learning & Memory	Ch 10: 385-396	<i>skip: Conditioned Avoidance</i>
6	Oct 12	<i>no class</i>		<i>Thanksgiving Day</i>
	Oct 14		Ch 10: 397-415	
	Oct 16	Emotional L&M - Squire's Memory Taxonomy	Ch 10: 415-418	
7	Oct 19	Emotional Learning & Memory: Clinical Perspectives	Ch 10: 418-425	
	Oct 21	Sensory Memory, Short-Term & Working Memory	Ch 9: 343-351	
	Oct 23	Working Memory	Ch 9: 351-358	<i>skip: Are working Memory....?</i>
8	Oct 26	Neural Mechanisms of Working Memory	Ch 9: 360-376	
	Oct 28	Working Memory: Clinical Perspectives	Ch 9: 376-382	
	Oct 30	Non-Declarative: Non-Associative	Ch 3: 75-85	
9	Nov 2		Ch 3: 85-96	<i>skip: Models of... pp.88-90</i>
	Nov 4	Neural Mechanisms of Non-associative Memory	Ch 3: 96-107	<i>skip: 'Plasticity during Development' p.104</i>
	Nov 6	<b>MID-TERM - 2</b>		
10	Nov 9	Non-declarative: Skills	Ch 8: 301-310	
	Nov 11	<i>no class</i>		<i>Remembrance Day</i>
	Nov 13		Ch 8: 310-321	
11	Nov 16	Non-declarative: Skills, Mechanisms	Ch 8: 322-332	<i>skip "The Cerebellum....."</i>
	Nov 18	Non-declarative: Skills, Clinical Perspective	Ch 8: 335-336, 337-341	<i>skip: Apraxia</i>
	Nov 20	Review, Q&A, Class excises		
12	Nov 23	Memory & Sleep		<b>Essay due</b>
	Nov 25	Consolidation & Reconsolidation	Ch 7: 278-279, 287-290	
	Nov 27	Aging & Memory	Ch 12: 459-475.	
13	Nov 30	Aging & Memory, Neural Mechanisms	Ch 12: 475-482, 483-489 Ch 3: 104	<i>skip: Role of Sex Hormones....</i>
	Dec 2	Amnesia: Long- and Short-Term	Ch 7: 294-297	
	Dec 4	Clinical perspective: Down syndrome & Alzheimer's disease	Ch 12: 489-497	

Dec 8 - 22 (inclusive)      **\* FINAL: covers all lecture material AND all required readings**

\* The Final Exam will be scheduled during the regular December exam period, from Dec 8th to Dec 22th 2015, both dates and Saturdays are included

To avoid an unexcused absence, DO NOT MAKE TRAVEL PLANS DURING THAT PERIOD until the schedule is posted