

## Psychology 333.001 Syllabus

# Memory: Historical, Clinical & Cognitive Perspectives

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\* 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 (3<sup>rd</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, their clinical implications and historical roots
- 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

Lectures Their location and time is Buchanan-A room 201, on Mon/Wed/Fri 10:00-11:00. 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 completed 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 3, 2016
Mid-Term 2	15% *	Nov 4, 2016
Essay	20%	start: Sep 21 - due: Nov 21, 2016
Final	50% **	Dec 6 - 21, 2016 time/location: TBA
Total Base Points Available:	100%	
HSP Bonus Credit	3% ***	
* 7.5% multiple choice, 7.5% long answers - the total duration of each Mid-Term is 50 minutes. ** multiple choice only - the total duration of the Final is 2 hours. *** 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). One or two multiple choice questions of the Mid-terms *may cover the content of this Syllabus*. 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, Connect postings* (discussion blogs) 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 Sep 21<sup>st</sup>, the specific details regarding the Essay will be available online on *Connect* and simultaneously discussed in class. No class hardcopy submission is required, only the electronic submission on *turnitin.com*. Late deductions start on Nov 21<sup>st</sup> at midnight (i.e. the start of Nov 22<sup>nd</sup>) for your *turnitin.com* submission. These deductions will accumulate at a rate of 10% per day (or fraction thereof) until the final cutoff for submission on Dec 2<sup>nd</sup> at midnight (i.e. the start of Dec 3<sup>rd</sup>).

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 the date TBA. 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 (including those from the Library Option, see below) to be applied to your grade in PSYC 333, you must assign them to this course by Nov 25<sup>th</sup>. Any points that remain unassigned past this deadline will not contribute to your grade in PSYC 333.001.

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 Sep 23<sup>rd</sup>. You are to submit your article and your summary to [turnitin.com](https://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, class name and password are TBA. 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. 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. Acceptance will be strictly based on UBC policies and regulations on the matter. All excuses, including travel for varsity sports or extracurricular events, are only subject to *acceptance if: (a) you have notified your instructor via email prior to the due date (for the assignment) or before the start of the exam AND (b) you have a valid and documented excuse* (see below). To be considered valid, your documentation(s) must **(i)** display *your name* on it, **(ii)** show a *date that is within +/- one day* of the missed assignment or exam, **(iii)** be personally presented to the instructor within ten days of the missed assignment/exam. Documentation(s) may come from your doctor, counselor/ therapist/ psychiatrist, or may be in the form of a request for “Academic Concession” from Arts Academic Advising.

If you miss one Mid-term with a documented and valid excuse, the weight of this exam will be transferred to the final exam. However, *even with a documented and valid excuse, this transfer of weight to the final can be allowed for one Mid-term only*. For a second validly excused mid-term, a deferred mid-term session can be arranged at the discretion of the instructor within a reasonable number of days. If you miss the due date of submission of the essay in the presence of a documented and valid excuse (see above) and submit your essay within the final cutoff time, then the late deductions will not be applied. *Transfer of the essay weight to the final is not allowed. Even in the presence of a valid and documented excuse*, if for whatever reason a deferred mid-term session cannot be arranged or if an essay is completed beyond the final cutoff time, then the student can obtain a Standing Deferral from UBC.

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. 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>).

Please note that In this course, students will be required to use *Turnitin*, an online service. During the account creation process, *Turnitin* will collect your name and other identifying information. By using *Turnitin*, you are consenting to the storage of this information in the United States. If you choose not to provide your consent, see the instructor to make alternate arrangements.

## 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 5	no class		Labour Day
	Sep 7	Course Intro & Syllabus, Historical Perspectives	Ch 1: pp.1-32	Skip: box p.3,
	Sep 9	Historical Perspectives		
2	Sep 12	A Neural Basis for Memory	Ch 2: pp.36-68	Skip: boxes pp.36, 63
	Sep 14	Neural Basis		
	Sep 16	Declarative: Episodic & Semantic	Ch.7: 267-286	Skip: boxes p.279, 283 & "Meta..." pp.288-9
3	Sep 19	Episodic & Semantic		
	Sep 21	Neural Substrates of Episodic & Semantic	Ch.7: pp.290-296, 298-299	<b>Essay start - Instructions discussed</b>
	Sep 23	Non-Declarative: Classical Conditioning	Ch.4: pp.115-136	Skip: "Error Correction in H...." pp.136-39
4	Sep 26	Classical Conditioning	Ch.4: pp.139-147	
	Sep 28	Neural Basis & Clinical Perspectives of Classical Conditioning	pp.147-155, 159-162	Skip: "Invertebrates - Long-Term" pp.155-159
	Sep 30	<b>REVIEW</b>		
5	Oct 3	<b>MID-TERM 1</b>		
	Oct 5	Emotions in Learning & Memory	Ch.10: pp.395-406, 408-415	Skip: Cond. Escape, Avoidance pp.406-408
	Oct 7	Emotions in Learning & Memory		
6	Oct 10	no class		Thanksgiving Day
	Oct 12	Emotions in Learning & Memory: Neural substrates	pp. 415-423, 425-427	Skip: "Retrieval...." pp.423-425
	Oct 14	Emotions in Learning & Memory: Clinical Perspectives	pp. 428-435	
7	Oct 17	Sensory, Short-Term & Working Memory	Ch.9: pp.351-368	Skip: "Are Working..." pp.369-371
	Oct 19	Working Memory		
	Oct 21	Working Memory: Neural Mechanisms	pp.371-386	
8	Oct 24	Working Memory: Clinical Perspectives	pp.387-389	Skip: "Attention...." pp.389-391
	Oct 26	Non-Declarative: Non-Associative Memory	Ch.3: pp.72-79	Skip: box p.77, & "Dual...Novel" p.80-83
	Oct 28	Non-Associative Memory	pp.83-86, 88-90	Skip: box p.86 & p.87, top of p.88
9	Oct 31	Non-Associative Memory: Neural Mechanisms	pp.91-98, 99-101	(i.e. Skip: "Habituation....shapes." pp.87-88)
	Nov 2	<b>REVIEW</b>		
	Nov 4	<b>MID-TERM 2</b>		
10	Nov 7	Non-declarative: Skills	Ch.8: pp.312-320	
	Nov 9	Skills	pp.320-330	Skip: boxes pp.327, 335
	Nov 11	no class		Remembrance Day
11	Nov 14	Skills: Neural Mechanisms	pp.331-341	Skip: "The Cerebellum..." pp.341-344
	Nov 16	Non-declarative: Skills, Clinical Perspective	pp.344-346	
	Nov 18	Memory & Sleep		
12	Nov 21	Consolidation & Reconsolidation	Ch.7: pp.286-288, 296-298 10: pp.423-425	<b>Essay Due</b>
	Nov 23	Aging & Memory	Ch.12: pp.474-488	Skip: boxes p.482, p.493
	Nov 25	Aging & Memory: Neural Mechanisms	Ch.12: pp.489-490, 492-497, 499-504; Ch.3: pp.98-99	Skip: "Selective..." pp.490-492, "Effect of Sex ..." pp.497-498
13	Nov 28	Amnesias: Long- and Short-Term	Ch.7: pp.302-306	Skip: box p.303
	Nov 30	Clinical perspective: Down syndrome & Alzheimer's disease	Ch,12: pp.505-514	Skip: box p.513
	Dec 2	<b>FINAL REVIEW</b>		

Dec 6 - 21  
(inclusive)

\* **FINAL EXAM: covers all lecture material AND all required readings**

\* The Final Exam will be scheduled during the regular December exam period, from Dec 6 to Dec 21, both dates are included  
To avoid an unexcused absence, DO NOT MAKE TRAVEL PLANS DURING THAT PERIOD until the schedule is posted