

PSY 321: Cognitive Processes

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The web pages contain the lecture notes, demonstrations, and the online quizzes.

NOTE: I cannot guarantee that the web server will always be available. Do not wait until the last day to access what you need from the server.

Class: SJ 025, MWF 10:00 - 10:50 AM

Office Hours: Monday, Wednesday, and Friday: 11 AM to noon.

Text: Medin, D. L., Ross, B. H., & Markman, A. B. (2005). *Cognitive psychology* (4th ed.). Hoboken, NJ: John Wiley & Sons

Exams: There are four exams. The first three are each worth 100 points and the final exam is worth 200 points. The exams will consist of a mixture of question types including, but not limited to, multiple choice, fill-in-the-blank, and essay questions. The final exam is comprehensive.

I do not give make-up exams except under the most extreme circumstances. If you study on a regular basis, then not being able to study a day or two before the exam will not overly affect your ability to perform well on the exam. If you miss an exam without first getting my permission, you will automatically earn a grade of 0 on that exam. All make-up exams will be graded according to a more strict grading criterion.

To maintain test validity, no one may begin to take an exam once the first person has finished the exam and left the room.

Online Quizzes: Before each day of class, you are to read the assigned pages of the text **and** take an online quiz that tests your knowledge of that material and previous material covered

in the class. The online quizzes are available from the class web site (the URL is above) and are open notes and open text. Each online quiz is worth five points. The lowest four scores will be dropped from your final grade. If you miss an online quiz, it will count as one of your four lowest grades that are removed from your final grade. If you miss more than four online quizzes, the additional quizzes that you miss will count as a score of 0.

Attendance and Participation: Attendance and active participation in class is required. Up to two participation points can be earned for each day of class (except exams and the first day of class.) The lowest four scores will be dropped from your final grade. There is no way to make up missed classes; if you miss a class, it will count as one of your four lowest grades that are removed from your final grade.

Experiment Write-Ups: Three times during the semester you will be required to participate in experiments that demonstrate cognitive phenomena. You will analyze the data that the class provides and write a four page report of the experiment. The first page is to be an American Psychological Association (APA) style title page. Pages two and three will consist of a brief (no more than two-thirds of a page) review of relevant literature and discussion of the hypotheses that are being tested in the study, followed by an abbreviated methods section, a short description of the results, and a discussion of those results. The final page is to be an APA style reference section. The margins, spacing, and headings are to follow APA style.

Each experiment write-up is worth 25 points.

Grading:	3	Exams, each worth 100 points	300
	1	Comprehensive final exam	200
	37	Online quizzes, each worth 5 points (the lowest four scores will be discarded)	165
	37	Class participation points, each worth 2 points (the lowest four scores will be discarded)	66
	3	Experiment write-ups, each worth 25 points	75

A	93 to 100%
A-	90 to 92%
B+	87 to 89%
B	83 to 86%
B-	80 to 82%
C+	77 to 79%
C	73 to 76%
C-	65 to 72%
D	55 to 64%
F	0 to 54%

- Extra Credit:** There is no extra credit in the class.
- Late Assignments and Quizzes:** All assignments, quizzes, etc. are due no later than the beginning of the class on the assigned due date. Late assignments, quizzes, etc. will not be accepted and will earn a grade of 0 points.
- Honesty Policy:** Dishonest behavior, which includes but is not limited to lying, cheating, plagiarism, and attempting to earn a grade other than what you should have earned, will minimally result in a one letter grade reduction in your final grade *and* a grade of 0 on the assignment or exam. Depending on the nature of the dishonest behavior, you may earn a failing grade in the class.
- Expectations:** You are expected to:
- Check your email at least every other day and carefully read any emails from me
 - Either use your Lotus Notes email account, or have your Lotus Notes email forwarded to whatever email you use, or specify your alternative email address at <http://address.udayton.edu>
 - Keep the amount of email in your mailbox below the disk quota so that you can receive class emails
 - Come to class prepared, having read the assigned material
 - Spend an appropriate amount of time preparing for the course – approximately 2 to 3 hour per week outside of class for every hour spent in class. For this class, that would be 5 to 7.5 hours per week.
- Notes:** This syllabus is only an approximation of when material will be covered in class. The syllabus may need to be changed depending on the flow of the class or for other extenuating circumstances.

SYLLABUS

Date	Chapter	Pages	Topic
Mon 1/7	1		Introduction and History
Wed 1/9	1	3-35	Introduction and History
Fri 1/11	2	39-50	Learning
Mon 1/14	2	50-56	Learning
Wed 1/16	2	56-68	Learning
Fri 1/18			Perception
Mon 1/21	3	69-77	No Class -- Martin Luther King, Jr. Day
Wed 1/23	3	78-84	Perception
Fri 1/25	3	84-102	Perception
Mon 1/28	4	103-110	Attention
			Last day to withdraw without record
Wed 1/30	4	110-123	Attention
Fri 2/1	4	123-133	Attention
Mon 2/4			Exam 1
Wed 2/6	5	137-150	Memory: Remembering New Information
Fri 2/8	5	150-163	Memory: Remembering New Information
Mon 2/11	5	163-172	Memory: Remembering New Information
Wed 2/13	6	173-184	Memory Systems and Knowledge
Fri 2/15	6	184-193	Memory Systems and Knowledge
Mon 2/18	6	193-208	Memory Systems and Knowledge
Wed 2/20	7	209-227	Remembering New Information: Beyond Basic Effects
Fri 2/22	7	227-251	Remembering New Information: Beyond Basic Effects
			Lab 1 due
Mon 2/25	8	252-266	Spatial Knowledge, Imagery, and Visual Information
Wed 2/27	8	266-280	Spatial Knowledge, Imagery, and Visual Information
Fri 2/29			Exam 2
Mon 3/3	9	283-291	Language
Wed 3/5	9	291-300	Language
Fri 3/7	9	301-316	Language

Date	Chapter	Pages	Topic
Mon 3/10	10	317-329	Concepts and Categories: Representation and Use
Wed 3/12	10	330-339	Concepts and Categories: Representation and Use Lab 2 due
Fri 3/14	10	340-350	Concepts and Categories: Representation and Use
Mon 3/17			No Class -- Mid-Term / Easter Break
Wed 3/19			No Class -- Mid-Term / Easter Break
Fri 3/21			No Class -- Mid-Term / Easter Break
Mon 3/24			No Class -- Mid-Term / Easter Break
Wed 3/26	11	353-366	Reasoning Last day to withdraw with record
Fri 3/28	11	366-377	Reasoning
Mon 3/31	11	377-389	Reasoning
Wed 4/2			Exam 3
Fri 4/4	12	390-401	Problem Solving
Mon 4/7	12	401-411	Problem Solving Lab 3 due
Wed 4/9			No Class -- Bro. Joseph W. Stander Symposium
Fri 4/11	12	411-419	Problem Solving
Mon 4/14	13	420-430	Expertise and Creativity
Wed 4/16	13	430-438	Expertise and Creativity
Fri 4/18	13	438-449	Expertise and Creativity
Mon 4/21	14	450-458	Judgment and Decision Making
Wed 4/23	14	458-476	Judgment and Decision Making
Fri 4/25			No Class -- Study Day
Thu 5/1 2:30 to 4:20 PM			Final Exam