

## Psychology 240: Introduction to Cognitive Psychology, Winter Term, 2007

Tuesdays and Thursdays, 10-11:30 a.m., East Hall Auditorium

<http://ctools.umich.edu>

William Gehring

763-4381

[wgehring@umich.edu](mailto:wgehring@umich.edu)

4022 East Hall

Office Hours: Tuesdays and Thursdays, 1:30 – 2:30 or by appointment

### GSI:

Mary Askren

[askren@umich.edu](mailto:askren@umich.edu)

B367 East Hall

Chun-hui Chang

[changch@umich.edu](mailto:changch@umich.edu)

4464 East Hall

Kimberly Bosworth

[bosworth@umich.edu](mailto:bosworth@umich.edu)

1240 East Hall

Lee Newman

[leenewm@umich.edu](mailto:leenewm@umich.edu)

4056 East Hall

### Discussion Sections:

Number	Day	Time	Place	GSI
002	Thurs	8 – 9 am	B247 East Hall	Chun-hui Chang
003	Tues	5 – 6 pm	325 Dennison	Mary Askren
004	Tues	4 – 5 pm	316 Dennison	Mary Askren
005	Tues	6 – 7 pm	325 Dennison	Mary Askren
006	Fri	12 – 1 pm	514 Dennison	Kimberly Bosworth
007	Wed	3 – 4 pm	205 Dennison	Lee Newman
008	Wed	4 – 5 pm	205 Dennison	Lee Newman
009	Wed	5 – 6 pm	221 Dennison	Lee Newman
010	Thurs	5 – 6 pm	337 Dennison	Chun-hui Chang
011	Thurs	4 – 5 pm	337 Dennison	Chun-hui Chang
012	Fri	10 – 11 am	430 Dennison	Kimberly Bosworth
013	Fri	11 – 12 am	430 Dennison	Kimberly Bosworth

**Text:** Sternberg, R. L. (2006). *Cognitive Psychology*, 4<sup>th</sup> ed. Belmont, CA: Thomson Wadsworth. Copies are on reserve at the Undergraduate Library.

**Coursepack:** The coursepack readings are posted at the ctools website: <http://ctools.umich.edu>

**Evaluation:**

Your grade will be based on three examinations, three short-answer assignments, and discussion section..

**Exams.** The three exams constitute 75% of your final course grade. Your two highest exam scores will each count 30%, and your lowest exam score will count 15%. The final examination will be given during the regular final examination period at the scheduled time, Tuesday, April 24th, 1:30 – 3:30 pm. The examinations will have an objective (primarily multiple-choice) format. Each exam will focus on material from the corresponding one-third of the course. Nevertheless, the exams assume that the course is cumulative, and questions may require knowledge acquired earlier in the course.

*Missed Exams:* It is not possible to devise make-up exams that are comparable to the actual exams and that will test you fairly. Therefore, make-up exams will not be given. At my discretion, some type of special arrangement may be made if you miss an examination for a well-documented and unavoidable reason.

**Short answer assignments.** One goal of the course is to help you develop skills for reading psychological materials and writing about them. There will be three take-home short answer assignments, which together will count 15% of your grade (5% each). These will be due on the Tuesdays indicated on the course schedule. Your GSI will describe how and when to turn in the assignments. Grades will be reduced for late papers. Your grade for each assignment will be based not only on the content of your answers, but also on your writing (e.g., style, clarity, grammar, spelling). You may discuss the assignments with others in the class, but the answers and written work should be your own.

**Discussion Section.** An important part of the course is the weekly discussion section. 10% of your grade will be determined by various activities occurring in your discussion section. Your GSI will discuss the details of this portion of your grade in your discussion section. In discussion sections, you will review and discuss the material from the lectures, practice answering questions like those that will appear on the exams, and participate in demonstrations and exercises that illustrate phenomena discussed in class. Each discussion section will cover material from the previous week's lectures and reading assignments. For every topic, the GSIs and I will develop some exam-like questions that highlight important issues in the lecture and readings and that can help to direct your studying. The GSIs will also distribute review sheets that will outline the topics that will be covered on the exams. I will draw all exam questions from the topics listed on the review sheets.

**Ctools:** <http://ctools.umich.edu>

We will use the ctools website to post materials that will help you study more efficiently and effectively. The evening before the lecture I will upload the slides I will use, so that you can print them out and take notes. After the lecture, I will place lecture notes on the web. The notes aren't meant to be complete, nor will they substitute for attending class. Instead, they're really more of a study guide, to help provide structure for interpreting your own notes. We will also be

posting the exam review sheets and practice questions that are passed out in discussion section. I recommend using all these materials to organize and guide your studying. Please let me or the GSIs know if you think of ways that the website can be more helpful.

This semester I will post files that contain an audio recording and a video replay of the Powerpoint presentation. This is the first year I have tried this, so I ask for your patience if there are technical glitches along the way.

**Coffeetalk** 

The large lecture format of this course makes it difficult for me to get to know you like I would in a smaller class. To overcome some of this anonymity, this course has a feature called "coffeetalk" -- after class or at other times I can meet with a few of you informally for coffee. Usually we talk about a range of things, most of them not directly concerned with cognitive psychology. This is one of my favorite parts of the course, and I hope you choose to take advantage of it.

#### **Feedback**

During the term you might have a comment about how the course is being conducted. Always feel free to talk to me about this or send me email, or you may wish to submit your comment anonymously (e.g., put it under my office door). The GSIs and I want this course to be as responsive to your concerns as possible. The ctools site will have a link that will allow you to comment anonymously through email.

## Psychology 240 Course Schedule

Date	Topic #	Topic	Sternberg Chapter	Coursepack	Short Answer
1/4/07	1	History and Methodology	1		
1/9/07	2	History and Methodology			
1/11/07	3	Perception	4: 110-131		
1/16/07	4	Visual System	2	Köhler,McCloskey,Sacks,Gilman	
1/18/07	5	Pattern Recognition: Bottom Up	4: 131-143		
1/23/07	6	Pattern Recognition: Top Down	4: 143-155 10:347-353		
1/25/07	7	Attention	3		
1/30/07	8	Visual Imagery	7	Kosslyn	Short Answer #1 Due
2/1/07	9	Visual Imagery			
End of Exam 1 material					
2/6/07	10	Working Memory	5: 156-179; 6: 193-207	Jonides	
2/8/07	EXAM 1 REVIEW				
2/13/07	EXAM 1 covering topics 1-9				
2/15/07	11	Implicit and Explicit Memory	5: 179-192	Ogden	
2/20/07	12	Long Term Memory: Concepts and Categorization	8: 274-288	Smith	
2/22/07	13	Long Term Memory: Semantic Networks			
SPRING BREAK 2/27 and 3/1					
3/6/07	14	Long Term Memory: Episodic	8: 288-291, 296-309	Loftus, Terr, Brewin, Herman	Short Answer #2 Due
3/8/07	15	Long Term Memory: Episodic	6: 207-227		
End of Exam 2 material					
3/13/07	16	Language	9: 310-330; 10: 381-387		
3/15/07	EXAM 2 REVIEW				
3/20/07	EXAM 2 covering topics 10-15				
3/22/07	17	Language	10: 364-365	Dell	
3/27/07	18	Skill Acquisition and Motor Control	8: 291-296	Haberlandt	
3/29/07	19	Problem Solving	11	Anderson	
4/3/07	20	Problem Solving			
4/5/07	21	Deductive Reasoning	12: 456-483		
4/10/07	22	Judgment and Decision Making	12: 439-456	Schwartz	Short Answer # 3 Due
4/12/07	23	Judgment and Decision Making			
4/17/07	24	Summary and Concluding Remarks			
4/24/06	Exam 3 1:30 – 3:30 pm Covering Topics 16-24				