Syllabus for Cognitive Psychology PSY 325 (Fall 2002)

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Office Hours: Wednesday 12:30 – 2:30 pm or by appointment

Meeting Times and Location:
Monday, Wednesday, Friday 10:30-11:20 am
BUSAD A102
(Final Exam Friday Dec. 20, 9:45-11:45 am)

Prerequisites:
Survey of Psychology (PSY 100)

Required Textbook and Materials:
1. Reed, Stephen K. (2000). Cognition: Theory and Applications (Fifth Edition). Wadsworth/Thomson Publishing.

2. CogLab Online Laboratory Registration Code (http://coglab.wadsworth.com/)
- You must have <u>your own registration code</u> (bundled with textbook or can be purchased online) so I can give you credit for completing the experiments.
- This is an online lab where YOU participate in cognitive psychology experiments.
- You may use your own computer or the computer lab to do the assignments.

3. CogLab Student Lab Manual - this is for sale with the textbook in the bookstore. You may also download it from the CogLab web site.

Course Description:
Neisser (1967) described cognitive psychology as the study of the processes by which sensory input is transformed, reduced, elaborated, stored, recovered, and used. Cognitive Psychology includes the study of pattern recognition, attention, memory, representation of knowledge, language, problem-solving, creativity, and decision making.

Goals for the Course:
<u>Knowledge</u> - You should be able to describe theories and experiments that address all the topics above.

<u>Skills</u> – Learn to think like a scientist (improve your critical thinking)
- You should be able to read and understand a summarized experiment. By the end of the course, you should be able to determine the reason the experimenter conducted the experiment, the experimenter's hypothesis, the methods used, the results, and the extent to which the hypothesis was supported by the data.
- You should be able to use the data to support or refute a claim about the way in which cognitive processes work.

Performance Evaluation

Exams: 3 x 100 points each = 300 points

- Three exams (two midterms and a final)
- Short answers/essays, fill-in-the-blank, multiple choice
- Questions taken from topics discussed in text, lectures, class activities, and assignments

CogLab Assignments: 3 x 25 points each = 75 points

- Must log into CogLab online, complete the experiment, bring results to class
- Must turn in a 2-3 page paper for each CogLab
- No late papers will be accepted. If you know you will miss class, you may turn in your paper early.

Participation Points/Research: 30 points max

- Points can only be attained during the class period and cannot be made up
- Participation in research studies (outside class) is encouraged (extra credit)

Make-Up Policy for Exams:

- You MUST have a legitimate reason for missing the exam, for example severe illness (medical note required and will be checked), family emergency (need appropriate document), or other situation deemed appropriate by the instructor.
- Unacceptable reasons include over-sleeping, not studying, traffic and parking problems, car maintenance, etc.
- To qualify to take a make-up exam, you must notify the instructor through email, telephone, or in person within 48 hours of missing the exam and the make-up has to be taken within 3 school days of the original exam date.
- The make-up exam will be different than the original exams (I reserve the right to give all essay make-up exams).
- You may not take more than one make-up exam (e.g., if you take a make-up exam on midterm #1, you may not take a make-up exam on midterm #2).
- **Failure to follow these policies results in a ZERO for the exam.**

Grading:

A = 90%	**365 – 405 points**
B = 80%	**324 – 364 points**
C = 70%	**284 – 323 points**
D = 60%	**243 – 283 points**
F = below 60%	**242 and below**

Academic Honesty:
Ethical conduct is expected at all times. Cheating will result in serious consequences – you may be given a failing grade on the exam or assignment or on the entire course.

CogLab Assignments

Before the first CogLab, set up your User profile.

You will need:

1. Your ID: **UHPSY325-x** (x = a number, Instructor will provide)
2. The password associated with the user ID. (Instructor will provide)
3. A registration code. (In your lab manual or can be purchased online)

1. Go to http://coglab.wadsworth.com/
2. Go to Students, click on "access existing account information."
3. Enter your ID and password, then enter your registration code. You can now access your account or participate in experiments.

Step 1. Complete the CogLab Activity online. Use your Lab Manual. Give yourself about an hour to complete 1 experiment. (Do the Lab your instructor tells you to do)

1. Go to http://coglab.wadsworth.com/
2. Click on the name of the experiment your instructor tells you to complete.
3. Read the background and instructions for the experiment **VERY CAREFULLY**. You will NOT be able to complete the experiment unless you read the instructions correctly. The background and instructions also appear in the lab manual.
4. Enter your CogLab ID and password, click "submit information."
5. Your information is verified, then click "start experiment." Do the experiment.
6. **When you have finished, you must do 2 things**:
   A. Make sure the data has been imported to the CogLab computer. You will know your data has been stored when you see a window that says "Data saved." I can only give you credit for the lab if your data has been saved. If you don't see the window, you may have to repeat the lab.
   B. Print your results. You may have to copy the data plot window and paste it into another application (e.g., MS Word). See your lab manual for instructions.

Do NOT wait until the last moment to do CogLab. Give yourself enough time to avoid computer/internet difficulties.

ITS Website: www.hawaii.edu/itslab/index.html
Know ITS Policies! You must have a valid UH ID card to use the computers.

Computer Lab Hours

	Mon-Thr	Fri	Sat.	Sun.
ITS PC Lab (Keller 213/214)	8:00am - 9:30 pm	8:00am - 4:30pm	Closed	Closed
ITS Keller 105 Lab	8:00 - 9:30	8:00 - 4:30	Closed	Closed
ITS CLIC Lab (Sinclair 122)	8:15 am - 8:45 pm	8:15 am - 4:45 pm	9:15am - 5:45pm	12:15 pm – 8:45 pm

Step 2. Bring your printed results to class on the day where CogLab is due.

The day we discuss CogLab is very important and will make writing your paper much easier. You must bring a print-out of your results. We will look at the data for the class as a whole on that day. If you miss class, it will be more difficult to write your paper.

Step 3. Write your CogLab Paper. CogLab Paper Requirements:

Purpose: The purpose of this assignment is to demonstrate critical thinking skills and knowledge of the scientific process. You will be evaluating the CogLab experiment that you participated in and discussed in class.

Format:

- The paper should be typewritten, double-spaced, with 12 point font and 1 inch margins on all sides. The font should be easily readable (e.g., Times New Roman, Courier New).
- On the top of the first page you must have (1) your name, (2) the date, (3) Cognitive Psychology PSY 325, and (4) the title of the CogLab experiment.

Your paper must contain the following elements:

- About one-three paragraph(s) for each of the four sections- so the paper should be about 2-3 pages long (it can be longer if you need more space).
- In the paper, give each section the appropriate heading (your paper should have four sections with the headings Introduction, Method, Results, and Discussion).
- You must address ALL of the points below in each section.

1. **Introduction**: What was the purpose of the experiment (why did the experimenter conduct the experiment)? What was the experimenter's hypothesis (what did the experimenter think would happen)?

2. **Method**: What was the method used (how was data collected- note the materials and procedure)? What did participants have to do?

3. **Results**: What were your results? What were the results for the class as a whole?

4. **Discussion**: Do the results support or refute the experimenter's hypothesis? What do the results mean for cognitive psychology (what are the implications of the results)?

Notes:
Do NOT wait until the last moment to type and print your paper. Make sure you give yourself enough time to deal with computer and printer problems.

ABSOLUTELY NO LATE PAPERS WILL BE ACCEPTED. You must turn in your paper during the class period when it is due. You may turn in your paper early if you know you will miss class.

Course Calendar

Monday	Wednesday	Friday
8/26 Aloha	8/28 Cognitive Psychology of Study	8/30 Understanding Cognitive Research
9/2 **HOLIDAY – NO CLASS**	9/4 Chp. 1: Introduction	9/6 Chp. 2: Pattern Recognition
9/9 Chp. 2: Pattern Recognition	9/11 Chp. 3: Attention	9/13 Chp. 3: Attention
9/16 Chp. 4: Short-term Memory	9/18 Chp. 4: Short-term Memory	9/20 CogLab Discussion **DUE: CogLab #1**
9/23 Chp. 5: Long-term Memory	9/25 Chp. 5: Long-term Memory	9/27 Review for Exam 1 **DUE: CogLab Paper #1**
9/30 **Midterm Exam #1**	10/2 Chp. 6: Memory Codes	10/4 Chp. 6: Memory Codes
10/7 Chp. 7: Visual Images	10/9 Chp. 7: Visual Images	10/11 Chp. 7: Visual Images
10/14 Chp. 8: Categorization	10/16 Chp. 8: Categorization	10/18 CogLab Discussion **DUE: CogLab #2**
10/21 Chp. 9: Semantic Organization	10/23 Chp. 9: Semantic Organization	10/25 Review for Exam 2 **DUE: CogLab Paper #2**
10/28 **Midterm Exam #2**	10/30 Chp. 10: Language	11/1 Chp. 10: Language

Course Calendar (Continued)

Monday	Wednesday	Friday
11/4 Chp. 11: Memory for Text	11/6 Chp. 11: Memory for Text	11/8 Chp. 12: Problem Solving
11/11 **HOLIDAY – NO CLASS**	11/13 Chp. 12: Problem Solving	11/15 Chp. 13: Creativity/Experts
11/18 Chp. 13: Creativity/Experts	11/20 CogLab Discussion **Due: CogLab #3**	11/22 Chp. 14: Decision Making
11/25 Chp. 14: Decision Making	11/27 (Catch-up) **Due: CogLab Paper #3**	11/29 **HOLIDAY – NO CLASS**
12/2 Special Topics: Expert Performance	12/4 Special Topics: Comparative Cognition	12/6 Special Topics: Cognitive Development
12/9 Review for Final Exam (Bring exam questions to class)	12/11 Review for Final Exam	12/13 **STUDY PERIOD – NO CLASS**
12/16 (No class - Exam Week)	12/18 (No class – Exam Week)	12/20 **Final Exam**