Cognitive Psychology  
PSY 366; Fall 2006; MWF 9-9:50 a.m.; DeGarmo 463

Welcome to our course!

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Office Phone: 438-7863
E-mail: amhund@ilstu.edu
Office Hours: Mondays 10-11 a.m., Wednesdays 1-2 p.m., and by appointment
Instructor Website: www.psychology.ilstu.edu/amhund/
Course Website: www.psychology.ilstu.edu/amhund/cogpsych.htm (review questions, assignments)
WebCT Login Website: https://webct.ilstu.edu (see course website for help getting started or login via iCampus)
Textbook Website: www.wadsworth.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=0534577261&discipline_number=24 (study aids)

Required Readings:
Nine articles on electronic reserve through Milner Library: http://library.ilcso.illinois.edu/isu/cgi-bin/Pwebrecon.cgi?DB=local&PAGE=rbSearch

PREREQUISITES
The prerequisites for this course are PSY 110/111 and PSY 231.

COURSE OBJECTIVES AND OVERVIEW
Cognitive psychology is the scientific study of thought processes and mental life. The purpose of this course is to explore the basic processes, mechanisms, and models of cognition in order to increase understanding and appreciation of cognitive psychology. Topics will include visual perception, memory, categorization, language, problem solving, decision-making, and cognitive development. This course will provide an overall understanding of the basic issues and findings in cognitive psychology, as well an appreciation of the applications and implications of cognitive psychological research to everyday settings. Please see www.psychology.ilstu.edu/undergrad/objectives/index.htm for a complete listing of course objectives. Course objectives will be assessed through exams, assignments, and class activities.

The course includes three class meetings each week. There will be overlap in the material discussed in class and in the readings; however, some material will only be discussed in class or in the readings. To do well in the course, you should attend and actively participate in class, complete all assigned readings and assignments by the designated date, and review course information regularly (i.e., avoid cramming).

GRADING PROCEDURES
Course grades will be based on the total number of points attained during the semester (without rounding or curving): A = 270-300, B = 240-269, C = 210-239, D = 180-209, F = 179 and below. If students withdraw from the course, course grades will be based on the points attained up to the official date of withdrawal.

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<tr>
<th></th>
<th>Number</th>
<th>Points Each</th>
<th>Total</th>
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<tbody>
<tr>
<td>Unit Exams</td>
<td>2</td>
<td>60</td>
<td>120</td>
</tr>
<tr>
<td>Final Exam</td>
<td>1</td>
<td>80</td>
<td>80</td>
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<tr>
<td>Class Activities: Leader</td>
<td>1</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Class Activities: Member</td>
<td>5 (out of 6)</td>
<td>6</td>
<td>30</td>
</tr>
<tr>
<td>Paper</td>
<td>1</td>
<td>50</td>
<td>50</td>
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The unit exams will be held during the normal class period, and the final exam will be held during the final exam period. The final exam will include questions concerning the last set of classes and readings (60 points) and questions from earlier in the semester (20 points). Exams will include a combination of multiple choice and short answer/essay questions.
Class activities will involve reading an article (on electronic reserve at Milner Library) and completing a short exercise related to the article. All answers must be typed. You are expected to turn in a hard copy of each class activity at the beginning of class on the date due. You will serve as a group leader for 1 activity, receiving up to 20 points. You will serve as a group member for the remaining 6 activities, receiving up to 6 points for each activity. Your 5 highest grades on member activities will be used in calculating your course grade. Please note that it is helpful to keep a copy of your assignment to facilitate discussion (one copy is due at the beginning of class, no exceptions). Specific instructions regarding the class activities and leadership will be given in class.

The paper will be an analysis of a research article chosen from several alternatives. It must be approximately 5 to 8 pages of typed, double-spaced text. Grading will be based on content and writing style. Detailed instructions and the grading rubric for the paper are available on the course website.

You will be given the opportunity to earn a maximum of 10 points of extra credit by two methods:

(a) You may volunteer to participate in psychological research. You will earn 2 extra credit points for each half hour of participation if you choose to volunteer, for a maximum of 10 points (e.g., 2 1/2 hours = 10 points). Participation as a research participant is entirely voluntary. To sign up for an experiment, go to the basement of DeGarmo Hall and sign up on the sheets posted on the bulletin boards. Please respect the sign-up process by keeping appointments and only signing up for each experiment once. Additional details regarding the sign up process are available on the department website: www.psychology.ilstu.edu/research/SubInstruct.html.

(b) You may read scientific journal articles and write short summaries. The articles may be on a topic of your choice, but must come from peer-reviewed, scientific journals in psychology and must be approved by me at least one week before the due date. Summaries must be 2 pages in length and typed with double spacing. A hard copy of the article must accompany each printed summary, and the article must have my initials of approval to receive credit. Each summary may earn a maximum of 5 points of extra credit. You will not earn any extra credit points for summaries written on articles not approved by me ahead of time.

Blue cards and summaries must be turned in by class time on the due date to be eligible for extra credit. Late extra credit work will not be accepted. Please turn in ALL of your extra credit at one time. Make sure that your name is included, and that your blue cards and/or written summaries are stapled together in one bundle. Extra credit points will be added to your point total in the determination of your course grade. Your grade will not be affected if you choose not to participate in one of the extra credit options. Extra credit assignments will be held to academic integrity standards.

**POLICY FOR MISSED EXAMS, LATE PAPERS, ETC.**

Makeup exams will be allowed only for university-mandated and/or officially documented reasons (e.g., illness, family emergency, mandatory religious obligation). If the absence can be anticipated, you must notify me in writing at least one week before the exam date so the exam can be taken early. If you are ill or have an emergency on the day of the exam, you must contact me before the exam time (an e-mail or voice mail message is sufficient). Failure to follow these procedures will result in a score of 0 for the exam. Make up exams must be completed in a span of time less than or equal to the documented absence. Make up exams may differ in format from those given on the assigned exam days. The final exam must be taken at the assigned time unless arrangements consistent with university policy have been made at least one week in advance (http://www.arr.ilstu.edu/students/current/academics/final.shtml).

Late papers will be graded down in accordance with the degree of lateness. You will lose 10% of the possible points for each day the paper is late.

Late class activities and extra credit work will not be accepted (no exceptions).
COLLEGIATE POLICIES

Attendance and Active Participation
Learning is facilitated by active participation; therefore, attendance and active participation in class are very important. Attendance will not be graded directly, except that you must attend class on the day you serve as a discussion leader to receive full credit for the class activity. If you are unable to attend your assigned day for discussion leadership, you must contact me at least one week ahead of time to make other arrangements. You are responsible for obtaining notes from a classmate if your absence from class is unavoidable.

Academic Integrity: Plagiarism and Cheating
Assignments in this course should be completed by you alone and should represent your best effort. Plagiarism and cheating in any form will not be tolerated and may result in disciplinary action and failure of this course. Please consult the Student Code of Conduct for details regarding University academic integrity policies: http://www.deanofstudents.ilstu.edu/crr/.

Civility and Respect
You are expected to treat classmates and instructors with respect and civility and to respect our learning environment. For complete details, please consult the Student Code of Conduct and the Department of Psychology civility guidelines (www.psychology.ilstu.edu/diversity/civility.htm).

Students with Disabilities
Any student in need of special accommodation should contact 438-5853 (voice), 438-8620 (TDD).

TENTATIVE SCHEDULE OF TOPICS

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Date</th>
<th>Topic</th>
<th>Reading</th>
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<tbody>
<tr>
<td>Mon., Aug. 21</td>
<td>Introduction</td>
<td>History of Cognitive Psychology</td>
<td>Ch. 1 (p. 1-14)</td>
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<tr>
<td>Wed., Aug. 23</td>
<td>History of Cognitive Psychology</td>
<td>Themes, Theories, &amp; Methods</td>
<td>Ch. 1 (p. 14-22)</td>
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<td>Fri., Aug. 25</td>
<td>Cognition &amp; the Brain</td>
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<tr>
<th>Week 2</th>
<th>Mon., Aug. 28</th>
<th>Getting to Know You WebCT discussion post due by noon (see course website)</th>
<th>Ch. 2 (p. 23-44)</th>
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<tr>
<td>Wed., Aug. 30</td>
<td>Cognitive Neuroscience</td>
<td>Class Activity A</td>
<td>E-reserve</td>
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<tr>
<th>Week 3</th>
<th>Mon., Sept. 4</th>
<th>NO CLASS—LABOR DAY</th>
<th>Ch. 3 (p. 55-74)</th>
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<tr>
<td>Wed., Sept. 6</td>
<td>Perception</td>
<td>Class Activity B</td>
<td>Ch. 3 (p. 75-97)</td>
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<tr>
<td>Fri., Sept. 8</td>
<td>Object Recognition</td>
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<th>Week 4</th>
<th>Mon., Sept. 11</th>
<th>E-reserve</th>
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<td>Wed., Sept. 13</td>
<td>Review Session, in class</td>
<td>Class Activity B</td>
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<td>Fri., Sept. 15</td>
<td>EXAM 1, in class</td>
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<th>Week 5</th>
<th>Mon., Sept. 18</th>
<th>Selective Attention</th>
<th>Ch. 4 (p. 99-112)</th>
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<td>Wed., Sept. 20</td>
<td>Inattention</td>
<td>Class Activity</td>
<td>Ch. 4 (p. 113-134)</td>
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<td>Fri., Sept. 22</td>
<td>Divided Attention</td>
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<tr>
<th>Week 6</th>
<th>Mon., Sept. 25</th>
<th>Sensory &amp; Short-Term Memory</th>
<th>Ch. 5 (p. 135-161)</th>
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<td>Wed., Sept. 27</td>
<td>Working Memory</td>
<td>Class Activity C</td>
<td>E-reserves</td>
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<td>Fri., Sept. 29</td>
<td>Class Activity C</td>
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Week 7
Mon., Oct. 2  Long-Term Memory  Ch. 6 (p. 179-203)
Wed., Oct. 4  Implicit Memory  Ch. 6 (p. 179-203)
Fri., Oct. 6  Memory Retrieval  Ch. 6 (p. 203-221)

Week 8
Mon., Oct. 9  Class Activity D  E-reserve
differential distraction of background music on the cognitive test
performance of introverts and extraverts. Applied Cognitive Psychology, 11,
445-455.
Wed., Oct. 11  Memory Errors  Ch. 7 (p. 223-245)
Fri., Oct. 13  False Memory  Ch. 7 (p. 245-264)
Paper due at beginning of class

Week 9
Mon., Oct. 16  Categorization  Ch. 8 (p. 265-286)
Wed., Oct. 18  Categorization  Ch. 8 (p. 265-286)
Fri., Oct. 20  Semantic Nets & Connectionism  Ch. 8 (p. 286-307)

Week 10
Mon., Oct. 23  EXAM 2, in class
Fri., Oct. 27  Language  Ch. 10 (p. 345-369)

Week 11
Mon., Oct. 30  Language Acquisition  none
Wed., Nov. 1  Class Activity E  E-reserve
Training Japanese listeners to identify English /r/ and /l/: Long-term
retention of learning in perception and production. Perception &
Psychophysics, 61, 977-985.
Fri., Nov. 3  Language & Thought  Ch. 10 (p. 379-386)

Week 12
Mon., Nov. 6  Problem Solving  Ch. 11 (p. 387-407)
Wed., Nov. 8  Expertise  Ch. 11 (p. 407-426)
Fri., Nov. 10  Decision Making  Ch. 12 (p. 468-477)

Week 13
Mon., Nov. 13  Class Activity F  E-reserve
Wed., Nov. 15  Deductive Reasoning  Ch. 12 (p. 427-454)
Fri., Nov. 17  Inductive Reasoning  Ch. 12 (p. 454-468)

Week 14
NO CLASSES — THANKSGIVING BREAK

Week 15
Mon., Nov. 27  Cognitive Development: Piaget  E-reserve
Wed., Nov. 29  Piaget  none
Fri., Dec. 1  Vygotsky  none

Week 16
Mon., Dec. 4  Class Activity G  E-reserve
spatial development: Claiming the "radical middle." Infant Behavior &
Development, 22, 457-474.
Wed., Dec. 6  Contemporary Issues & FutureDirs. none
Fri., Dec. 8  Conclusions and Future Directions  none
Extra Credit due at beginning of class

Week 17
Tues., Dec. 12, 7:50 a.m., FINAL EXAM (in our regular classroom)

Congratulations on a semester well done. Enjoy the break and the rest of your life journey.