Prerequisites
Introductory Psychology (PSY 1013) and Research Methods (PSY 2393).

Course Description
A study of the major principles, research methods, and empirical findings of cognitive psychology, including attention, memory, imagery, categorization, language, and problem solving.

Text

Course Objectives for Students
1. To understand the contributions made to the understanding of human thought processes by cognitive psychologists.
2. To understand the rationale and results of studies of cognition in an information-processing framework and to realize their strengths and limitations outside of the laboratory.
3. To become familiar with the basic subjects of cognitive study including perception, attention, consciousness, memory, imagery, comprehension, categorization, problem-solving and language.
4. To become aware of the unique abilities of humans as seen from a cognitive psychological perspective.
5. To develop a view of human cognition that is grounded in research and based on an integration of the student's faith with what psychologists have observed.
6. To develop each student's skills in analytical and synthetic thinking, research methods and scientific communication.
7. To meet each student's individual needs in taking the course.

Behavioral Expectations
1. Participants will attend regularly and be on time.
2. Assignments will be turned in on time and returned quickly.
3. Participants will actively participate in class discussions.
4. Ideas may be challenged but no one will be made to feel as if their contributions to the discussion are not welcome.
5. Participants will do all of their own work on all papers and quizzes and all references to the work of others will be properly cited.
6. Cell phones should be turned off or the ringer turned off while in class.

Procedures
In order to meet the objectives, a number of methods will be used. The text will be used to communicate most of the basic principles. The instructor will present some material but much of the learning will depend on class discussions, and interactive labs and class demonstrations.
Requirements
Attendance is expected and will be recorded but will have no direct effect on grades unless half or more of the class meetings are missed which, by college policy, will result in an F for the course. The registrar will be given a report of anyone missing two weeks of class (six class periods in a row). All quizzes must be taken on the days scheduled unless arrangements have been made in advance.

All quizzes will cover the book and the class discussion of the book. The quizzes will reinforce learning in progress, provide regular progress reports and encourage students to keep up with the readings. All quizzes will be in short answer/essay format and will consist of five items. The class will participate in various online activities to provide for more in-depth coverage of topics than is possible in class.

The required article critique will involve finding some research discussed in the text, obtaining a copy of the original article through interlibrary loan, ProQuest or ScienceDirect and comparing the primary source with the secondary discussion of the research in the text. Although the oral report of the article critique will not be graded, failing to make an oral presentation will result in a zero for the written assignment.

The required research project will involve choosing a topic, clearing the topic through the instructor, doing library and internet research on the topic, replicating a particular piece of research, and presenting the research and the results in a poster session. The poster presentation will include a summary of important findings and will provide a chance to interact with those attending the session. Failing to participate in the poster session will result in a zero for the research project.

Statement on Academic Expectations
John Brown University is a selective academic institution that consistently ranks among the top ten southern baccalaureate universities. As a student here, you are expected to devote significant time and effort to your academic courses and to be aware of the effort you will require to perform up to your expectations in this class. This course has been designed with the expectation that students will spend adequate time and effort in preparation for each class meeting by doing assigned readings and assignments and will spend adequate time and effort completing each assignment.

Statement on Academic Integrity
As a Christian institution of higher education, John Brown University seeks to maintain the highest standards of academic integrity. Violations of these standards will result in substantial penalties. At a minimum, any instance of cheating or plagiarism will result in a zero for the assignment and a report submitted to the academic dean. Further infractions will result in failure of the course and possible suspension. For additional information and examples, refer to the Academic Integrity section on pages 4-5 of your John Brown University Student Handbook.

The Blackboard Supplement
From the EagleNet homepage (http://myeagle.jbu.edu/index.asp), click on “Login to myEagleNet” and link to Blackboard. (If you log on from off-campus and are asked for a User
Name or Password, use your JBU network user name and password.

Investigate the class website by clicking on each of the buttons to the left of the page. Each week you will have 1) a pre-test of concepts to be covered the following week and 2) an online assignment. The pre-test must be completed each week by Wednesday at class time. No credit will be given for quizzes completed after that time. The answers to the quizzes will be discussed at the start of class on Wednesday. The online assignment will be detailed in the Assignments section of the site. Sometimes it will involve a threaded discussion of a concept. Often you will be responding to a website or to an interactive demonstration of a concept experienced in Coglab. Your response will be graded each week and you will earn up to 10 points each week for the online supplement. The online assignments must be completed within the week they are assigned (by midnight of the following Monday). You may not make up for missed weeks in a later week. Contact me if you have any questions about using the site.

**Evaluations**

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<td>Blackboard Pretests</td>
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<td>Chapter Quizzes</td>
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<td>Article Critique</td>
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<td>Poster Presentation</td>
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**Grades**

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**Office Hours**

My office hours are every day from 9:00-10:00 and 3:00-4:00. If you see me in my office, please feel free to come in. You are welcome to come by at any time.

**Policy on Students with Disabilities**

Students with documented disabilities who need academic accommodations should make an appointment with the Director of Student Support Services (524-7217) to begin the accommodation process. They also are encouraged to make an appointment with the instructor as soon as possible. Students without documented disabilities who feel they may have difficulty with this course are also encouraged to make an appointment with the instructor to discuss what steps need to be taken to be successful.
Course Outline

INTRODUCTION TO THE CLASS AND ONLINE SUPPLEMENT  
Jan 9

Introduction  
Jan 11

INFORMATION PROCESSING STAGES  
Jan 14, 16, 18
Jan 21*, 23, 25
Jan 28*, 30, Feb 1
Feb 4*, 6, 8

ATTENTION  
Jan 21*+, 23, 25

SHORT-TERM WORKING MEMORY  
Feb 11*, 13, 15

LONG-TERM MEMORY  
Feb 18*, 20, 22+
Feb 25*, 27, 29
Mar 3*, 5, 7

REPRESENTATION AND ORGANIZATION OF KNOWLEDGE  
Mar 10*

ARTICLE CRITIQUE PRESENTATIONS BEGIN  
Mar 12

FINISH PRESENTATION OF ARTICLE CRITIQUES  
Mar 14

SPRING BREAK  
Mar 17-21

Friday, March 14 is a regular class day. Students should not make travel plans for Spring Break until after their regularly-scheduled classes have ended.

COMPLEX COGNITIVE SKILLS  
Mar 24, 26, 28
Mar 31*, Apr 2, 4
Apr 7*, 9, 11
Apr 14*, 16, 18
Apr 21*, 23**, 25*

POSTER SESSION  
8:00-10:00 am, Thursday May 1  
(alternative time for poster: 10:30 am – 12:30 pm, Wednesday April 30)

Final poster session policy
Students must attend the final poster presentation at the specified time (or the listed alternative time). The only exceptions are death or serious illness of a member of the student's immediate family, or illness of the student as documented by a medical professional. Any exception to the final exam policy must be approved by the Dean of Undergraduate Studies.

Friday March 7 (after midterm grades are reported) is the deadline for dropping a class.

* Chapter Quiz on this day
+ Class meets at 11:00 on this day for special chapels.
** First draft of poster due