

**Psychology 352: Cognition and Memory  
Summer, 2020**

**Class Times: Monday, Tuesday, Thursday, Friday at 1:00-3:55 PM (Central Time)  
Class Location: Online (via Blackboard Collaborate)**

**Instructors:**

**Dr. Gary Raney** (Weeks 1 & 2)

Office Hours: Monday & Thursday, 12:00-1:00 PM. Other times by appointment.

Email: geraney@uic.edu

**Andriana Christofalos, MA** (Weeks 3 & 4)

Office Hours: Monday & Thursday, 12:00-1:00 PM. Other times by appointment.

Email: achris29@uic.edu

**Teaching Assistant:**

**Cesar Riano**

Office Hours: Tuesday 4:00-5:00 PM and Friday 12:00–1:00 PM. Other times by appointment.

Email: criano2@uic.edu

**Required Materials:**

1) **Textbook:** Cognitive Psychology: Connecting Mind, Research, and Everyday Experience (5th Ed), Author: E. Bruce Goldstein

2) **Software:** CogLab, 5th Edition (software with registration code), Author: Greg Francis and Ian Neath

These two items are available from the UIC bookstore. You also can purchase the textbook along with the software registration code for CogLab from the publisher (Cengage) at the link provided below. There are several purchase options—select the Digital Platform tab (see picture below). This package includes the textbook (as an ebook), CogLab, and MindTap for \$110. MindTap provides tools that will help you with the class, such as sample quizzes, study guides, access to discussion boards, and access to journal articles. Mindtap is not required for the course and no assignments will be made that you cannot complete without access to MindTap, but some students find it useful.

<https://www.cengage.com/c/cognitive-psychology-connecting-mind-research-and-everyday-experience-5e-goldstein/9781337408271PF/>

Cognitive Psychology: Connecting Mind, Research, and Everyday Experience | 5th Edition  
E. Bruce Goldstein

Cengage Unlimited from \$119.99 | Textbook/eBook from \$41.49 | Digital Platform from \$110.00 | Bundle from \$299.95

Always know how you're doing and what you need to study by using a Digital Platform this term. Read, take quizzes, make flashcards and connect with your professor via desktop, tablet and mobile. Take your learning to the next level!

- MindTap: Cognitive Psychology: Connecting Mind, Research, and Everyday Experience Price: \$110.00  
Add To Cart
- MindTap for Cognitive Psychology: Connecting Mind, Research, and Everyday Experience 6 Months \$110.00  
ISBN: 9781337408288

Before purchasing, make sure your instructor assigned this course.

Copyright 2019 | Published

If you buy a used textbook you will need to purchase CogLab separately. Note that even if the used textbook includes a registration code for CogLab, the registration code will not work for this class because the code is time limited. You can purchase CogLab separately for \$50.00 from Cengage publishers at the link provided below. Note that if you purchase the textbook and CogLab separately, you will not have access to MindTap.

<https://www.cengage.com/c/coglab-5-1-term-6-months-instant-access-5e-francis/9781285461083PF/>

**Course Prerequisites**

To enroll in PSCH 352, you must have completed PSCH 242 (Research Methods) with a grade of C or better. You need to drop the course if you have not completed the prerequisites.

**Course Goals**

Cognitive psychology is the study of mental processes, such as, attention, language, visual perception, problem solving, learning, knowledge, and memory. These processes might appear to have little in common, but basic principles of information processing apply to each of these areas. The goals of this course are to help you learn these principles and to demonstrate how information processing applies to many different and seemingly unrelated topics.

**Course Grading**

Grades will be based on your total points based on the following components.

<b>Assignment</b>	<b>Points</b>	<b>Approximate Percentage of Grade</b>
Test 1	100	17.5%
Test 2	100	17.5%
Test 3	100	17.5%
Test 4 (Final Exam)	100	17.5%
Internet Presentation	10	1.7%
Journal Article Reviews	40 (20 each)	7.0%
Class Experiments (13 Total)	65 (5 points each)	11.3%
Study Questions (8)	16 (2 points each)	2.8%
Class Participation	42 (3 points per day for 14 of the 15 class days)	7.3%
<b>Total</b>	<b>573</b>	<b>100%</b>

Grade assignments (total points = 573): 515 will earn an A (90%)  
 458 will earn a B (80%)  
 401 will earn a C (70%)  
 343 will earn a D (60%)  
 342 or less will earn an F

For those of you who would benefit from extra points, we provide several opportunities to earn extra-credit.

## Description of Assignments

### Tests

You will complete four tests, each covering approximately one week of class. The fourth test is listed as the final exam, but it is not cumulative. Tests will be composed of multiple-choice and short-answer questions. You will complete the tests on your own, outside of class time, and they will be time limited from the time you start a test. The tests will be open book (i.e., you may refer to your notes, lectures, etc.), but you should study for the tests as if they were closed-book. Why? Because if you have to look up the answers, you are unlikely to have enough time to complete each test. We strongly encourage you to study for the tests a little every day. Remember, each day of class is the equivalent of one week during a fall and spring semester. If you don't study one day, that is like not studying for one week during a standard semester.

### Internet Presentations

For one of the topics covered in class, you will be asked to search the internet for information related to that topic. This can be a web tool or site that you've found or a news article about the topic. The number of internet presentations each day will depend on the size of the class. Dates for presentations will be assigned during the first day of class. The day the topic is covered in class, you will give a short (e.g., 5-10 minutes) description of the internet site during class and answer questions from the other students. The purpose of internet presentations is to help you see the many ways cognitive psychology is applied to the world we live in. Your presentation cannot be a description of a peer-reviewed journal article, book chapter, or similar published academic work. The presentation should show how this topic of cognitive psychology is being applied in the "real world." Examples will be provided in class.

To complete the assignment, you must submit in advance a 3-5 slide PowerPoint presentation that includes the internet site along with a few bullet points describing the site and how the content relates to the class topic. You must also submit a written description (maximum length is 1 page, single spaced) of what is described on the site and how the site relates to the class topic. Think of the written description as a script for what you will say during your presentation. Internet presentations may be given live (i.e., talk while sharing your slides with the class) or prerecorded (i.e., add narration to your slides and then play it during class). Regardless of whether you give your presentation live or prerecorded, you should practice your presentation—don't "wing it". Adding narration (also called voice-over) is easy in PowerPoint. To add narration, click on the "Slide Show" tab, select "Record Slide Show," and "Start Recording from Beginning." Below is a link to a video showing how to record narration.

<https://support.office.com/en-us/article/record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c>

You may use Google Slides to create your presentation, but we want you to submit your presentation in PowerPoint format so that it is compatible with our lectures. You can add voice to Google Slides, but doing so is much more complicated than with PowerPoint. Therefore, if you want to prerecord your presentation, we encourage you to use PowerPoint. If you are proficient with screen recorders, you may also use that approach, but make sure you save your file in a windows-compatible format (e.g., mp4, wmv).

Your presentation (with narration, if you use that approach) must be submitted two full days before your presentation so that we have time to give you feedback. For example, if your

presentation is scheduled for a Tuesday, you must submit your slides by 1:00 pm on Sunday. We encourage you to submit your presentation early so that you have ample time to modify it if needed. The presentation schedule will be posted on Blackboard after the first day of class.

Internet presentations will be graded as Very Good (10 points), Good (9 points), OK (8 points), or Pass (6 points). You can submit your internet presentation early. If you miss your assigned internet presentation, you will NOT be allowed to makeup the presentation at a later date without a valid reason.

### **Journal Article Reviews**

You will review two research-based journal articles (i.e., each article is based on at least one experiment). One article must be related to material from the first half of class (weeks 1 & 2), and one must be related to material from the second half of class (weeks 3 & 4). You should include the following sections in your article reviews:

- (a) Introduction: Summarize the introduction with a focus on what was the purpose
- (b) Hypotheses: Describe the primary hypotheses
- (c) Conclusions: Describe the conclusion (state whether the hypotheses were confirmed) and the data presented to support the conclusion, and
- (d) Relation to Class: Describe how the article relates to a topic that was described the textbook (state the chapter and page number) or in class (state the date and topic of lecture).

Reviews should not exceed three pages (double spaced, excluding the cover page, in 12-point font with 1" margins) but should be more than one page. Reviews must be typed and submitted via Blackboard. You may review articles mentioned in the textbook as long as the articles are not discussed in detail in the textbook or in class (i.e., an article is not summarized on a PowerPoint slide from lecture). You may also review articles that are not mentioned in the textbook or in class. Use the following four headings in your review: (a) Introduction, (b) Hypotheses, (c) Conclusions, and (d) Relation to Class.

**The first article review is due Thursday, May 28 by 1:00 PM. The second article review is due Thursday, June 11 by 1:00 PM.** Article reviews will not be accepted more than two days (48 hours) late. You can submit your review early.

### **Class Experiments**

You will complete 13 experiments using CogLab or materials provided by the instructors. You are required to complete all 13 experiments. The results of each experiment will be discussed in class to illustrate how cognitive processes are studied and to provide examples of research techniques. Most experiments require 10-30 minutes to complete. Due dates for the experiments are listed on the Experiment Schedule page. Note that 11 CogLab experiments are listed on the schedule. You will conduct two experiments that are not based on CogLab.

You will receive full credit (5 points) for experiments completed by the due date. **Experiments cannot be completed late because we include the results in our lectures.** Thus, if you don't complete an experiment on time, we can't include your data in the results. You will receive no credit (zero points) for experiments completed late. You may complete your experiments early. For example, you could perform all the CogLab experiments during the first week of class.

**Writing Study/Test questions**

You will submit 2 study/test questions for each test. Each question must be about a different topic for a given test, with at least one question reflecting material covered in class. You will receive full credit as long as your questions are clearly written and indicate understanding of the topic. The purpose of writing questions is to help you think deeply about the material covered and to help your classmates study important concepts. Students will be assigned chapters for writing study questions during the first or second day of class. See the schedule for due dates. Late questions will be given ½ credit (2 points). Questions will not be accepted more than one day late for Tests 1 through 3. Late questions will not be accepted for Test 4.

The questions should be multiple-choice format with 4 or 5 alternatives. Format the questions like the following example.

1. According to the instructors, which of the following is true about writing sample test questions?
  - A) Writing test questions builds knowledge about grammatical structure.
  - B) Writing test questions is a tedious task that wastes time and energy.
  - C) Writing test questions requires good understanding of the material.
  - D) Writing text questions does not require knowledge of the textbook or lecture.

The answer to question 1 is C. This was covered during the first day of class (May 18).

After you write your questions, you need to: (1) Submit your questions via Blackboard with the correct answers indicated after the second question along with the pages in the text or lecture day that provides the answer, and (2) post your questions on the class discussion board. Some of the study questions might appear on the tests, so study the questions!

**Class participation**

If you don't ask any questions or make any comments during the entire semester, you will receive 0 (zero) class participation points and your final grade will be reduced by 5%. For example, if you earn 84% of the points (a grade of B), your final grade will be reduced to 79% (a grade of C). This means that simply logging in and attending class is not equivalent to participating in class. If you ask questions or make comments during half of the lectures, you will receive 12 points. If you ask a question almost every day or make comments almost every day during the semester, you will receive 24 points.

**Extra Credit Options**

For those of you who would like to earn extra points, you may earn up to 19 extra credit points. This equals approximately 3.3% of the total points available. Extra credit will NOT be accepted late. Due dates are listed below.

**Meet the instructors (4 points possible--2 for each instructor).**

We feel that we are more effective teachers if we know something about your educational goals and interests, and we think students enjoy our classes more if they know something about our research and teaching interests. You can earn extra credit by talking to us outside of class time for a few minutes about your educational background, interests, goals, what you hope to learn in this class, and what you want to do after you graduate. This can be done

during office hours or by appointment. You must meet with the instructor by 5:00 PM on first day of the second week of class.

### **Test Corrections (up to 15 points).**

You can earn up to 5 extra points for three of the tests by demonstrating that you learned the correct answer for every multiple-choice question that you answered incorrectly. If adding 5 points makes your score greater than 100 (i.e., better than a perfect score), you will be assigned a 100 for the test.

Test feedback (i.e., the correct answers for each question, which questions you got right/wrong) will be made available to you on Blackboard after the exam is due. For each question you miss, explain (1) why you answered the question incorrectly and (2) why the correct answer is the best choice. Responses such as "I got it wrong because the question was poorly worded!" will cause you to receive no credit. You must do this for all of the questions you miss (i.e., do them all or don't do any). **Answers must be typed and MUST be submitted to Blackboard by the start of the next day of class. For the final exam, answers MUST be submitted to Blackboard by 1:00 p.m. the next day.**

### **Other Important Information**

**Online Course Communication Guidelines (Netiquette)** Netiquette is a set of rules for behaving properly online. Here are some guidelines for online communication in this course:

- Adhere to the same standards of behavior when communicating with others online as you do in the classroom.
- Be respectful of others' views and opinions. This includes being sensitive to different cultural and linguistic backgrounds, as well as different political and religious beliefs. We will not tolerate personal attacks on others.
- Use good taste when composing your responses. Swearing and profanity should be avoided. Also consider that slang and sarcasm can be misinterpreted.
- Be forgiving of others' typos and mistakes.
- In emails, it is a good practice to put your course in the subject line (PSCH 352). This helps your instructors identify course-related emails.

**Class Attendance, Late Assignments, and Incompletes:** Attending every class is very important because this gives you the opportunity to ask questions during lectures, and to participate in class discussions and activities. The class will be taught online using Blackboard Collaborate. The class begins at 1:00 pm, so you should login by this time. Students who miss a class are responsible for obtaining all notes, announcements, and handouts.

All work (including required readings) is mandatory rather than optional, and due by the date indicated on the schedule unless you have an emergency that you tell us about. Late assignments will be penalized one letter grade for each day late (including weekend days). Assignments will not be accepted more than two days late because of the condensed summer schedule. For example, if an assignment is due on a Monday, the latest it will be accepted is Wednesday. Some assignments will not be accepted late or have different penalties (see details for each assignment). If you have a problem that will prevent you from turning in assignments on time, please contact the instructors right away so we can help you resolve the problem or find an alternative arrangement.

We realize that sometimes you might need to turn in an assignment late for reasons out of your control (e.g., you are in an accident), or you just had a bad day. To minimize these issues, **you can turn in one assignment one day late with no questions asked and no penalty**. If you do turn in an assignment late, just tell the TA that you want the assignment to count as your one-day late exception. This exception does not apply to tests, extra credit, and internet presentations. Makeup tests are given only in extreme circumstances. Makeups will not be given unless the instructor is notified one week prior to the test date and/or the reason for missing the exam cannot be avoided (students must provide documentation showing this). Makeup tests might not be the same format as the original test (makeups might include essay, short-answer, and/or multiple-choice questions).

Incompletes will be given only in exceptional circumstances (e.g., severe illness or injury) based on UIC guidelines.

Why these rules? Because completing the work for this class on time is essential during the summer semester. Completing work on time also helps prepare you for the next step in your career, be that a job or graduate school. One important lesson you will learn in this class is that you always need to be prepared in advance.

### **Religious Holidays**

If the class meeting time conflicts with major religious holidays that will require your absence, please notify the instructors or the teaching assistant by the second day of class of the date you will be absent, unless the religious holiday is observed during the first two days of class. In such cases, notify us as soon as possible about your absence. We will make every reasonable effort to honor your request, we will not penalize you for missing the class, and if an assignment is due during your absence, we will arrange a reasonable substitute assignment and/or change the due date. Additional information about UIC's religious holiday policies are available online at <https://oae.uic.edu/religious-calendar/>.

### **Academic Integrity Policy**

No form of academic dishonesty will be tolerated. Students who break the university's code of academic integrity could be given a failing grade for the assignment or course and be the subject of formal judicial charges (see UIC Student Disciplinary Handbook for details). For example, if any amount of plagiarism is discovered in a written assignment, you could be given a grade of 0 (zero) for the assignment and possibly a failing grade for the course. We will also notify the Office of the Dean of Student Affairs and file an academic dishonesty charge that will be added to your academic file. Information about the Student Disciplinary Policy is available at the UIC Office of the Dean of Students website at <https://dos.uic.edu/community-standards/>.

### **Disability Accommodation**

UIC is committed to full inclusion and participation of people with disabilities in all aspects of university life. Students who face or anticipate disability-related barriers while at UIC should connect with the Disability Resource Center (DRC) at [drc@uic.edu](mailto:drc@uic.edu), or at (312) 413-2183 (voice) or (312) 413-0123 (TDD) to create a plan for reasonable accommodations. The DRC website is <http://drc.uic.edu>. In order to receive accommodations, you must disclose your disability to the DRC, complete an interactive registration process with the DRC, and provide the instructors a Letter of Accommodation (LOA). After we receive an LOA, we will work with you and the DRC to implement approved accommodations.

**Other Comments**

We view our roles in this course as mentors and instructors. If you have any problems or concerns throughout the class, come see us! We have a (virtual) open door office-hour policy. This means you are welcome to contact us at any time. You may also make an appointment to see us (email is the best way to contact us).



**Course Schedule**

<b>Week</b>	<b>Date</b>	<b>Topics</b>	<b>Assignment Due</b> <b>**All assignments and tests are due at 1:00 PM unless stated otherwise**</b>	<b>Chapter</b>
1	Monday 5/18	Introduction to Cognitive Psychology  Internet Presentation Dates Assigned	Complete by 12:00 pm Post profile photo on BB Collaborate CogLab: Brain Asymmetry	1
1	Tuesday 5/19	Cognitive Neuroscience  Sample Internet Presentation	Complete by 12:00 pm CogLab: Simon Effect	2
1	Thursday 5/21	Attention	CogLab: Phonological Similarity Effect CogLab: Sternberg STM Scanning	4
1	Friday 5/22	Short-Term and Working Memory	Test 1 Study Questions due by 8:00 pm	5
2	Monday 5/25	MEMORIAL DAY NO CLASS	CogLab: Serial Position	
2	Tuesday 5/26	Long-Term Memory Storage	<b>Test 1</b>  CogLab: Levels of Processing Extra Credit: Meet with the Instructors	6
2	Thursday 5/28	Long-Term Memory: Encoding, Retrieval, Consolidation	CogLab: False Memory Article Review 1 Extra Credit: Test 1 Corrections	7
2	Friday 5/29	Everyday Memory and Memory Errors	CogLab: Apparent Motion Test 2 Study Questions due by 8:00 pm	8

3	Monday 6/01	Perception	<b>Test 2</b>  CogLab: Mental Rotation	3
3	Tuesday 6/02	Visual Imagery	CogLab: Lexical Decision Extra Credit: Test 2 Corrections	10
3	Thursday 6/04	Knowledge	CogLab: Decision Making	9
3	Friday 6/05	Reasoning and Decision Making	CogLab: Word Superiority Test 3 Study Questions due by 8:00 pm	13
4	Monday 6/08	Language	<b>Test 3</b>  Experiment: Metcalfe & Wiebe Problems	11
4	Tuesday 6/09	Problem Solving	Experiment: Remote Associates Test  Extra Credit: Test 3 Corrections	12
4	Thursday 6/11	Creativity	Article Review 2 Extra Credit: CogLab Experiment  Test 4 Study Questions due by 8:00 pm	12
4	Friday 6/12	NO CLASS	<b>Test 4 (Final Exam) due by 4:00 pm</b>  Note: Extra Credit Test 4 Corrections are due Saturday (6/13) by 1:00 pm	