

## **830:305:H7 Cognition Summer 2013**

**Instructors:** Arnold Glass, Neha Sinha, Office hours by appointment, 120 Psychology Building, Busch;                      aglass@rutgers.edu, nehasinha132@gmail.com

**Time and Location:** Tuesday online 6:00 - 10:05 PM, Thursday in ARC 108, 6:00 - 10:05 PM

**Book and Clicker:** You can buy the book and clicker at the RU book store or New Jersey Books or online. There should be books and clickers floating around from previous semesters. But you use an old clicker at your own risk! The book is Cognition by Arnold Glass. The only clickers that work in this course are Turning Point clickers.

**As soon as you buy your clicker**, you should log onto the course web site on Sakai and go to the Clicker Id and Demographic Survey tab. First take the **Demographic survey**, if you have not already done so, and then take the Clicker ID quiz. Enter your clicker ID in answer to the one question. Your clicker ID is the hexadecimal number on the back of the clicker below the bar code. It is six characters and may be either all numbers or a combination of numbers and letters.

You are responsible for bringing your clicker to every class. You will use your clicker for the midterm exam. If you do not purchase a new clicker then you should set the channel by pressing GO 4 1 GO. When you click GO the first time, the clicker should start blinking red -green. When you click 4 1 and then Go the second time, the clicker should turn yellow, then green, and then go off. If you only use the clicker in this class then you never have to set the channel again.

When you use the clicker to answer a question, its response light should turn green, to indicate that your response was recorded. If this is not happening then your clicker is not working.

After every class, clicker grades will be posted on the Sakai course site. It is your responsibility to check the grade book to make sure that your clicker responses were recorded.

If your clicker does not work, there is nothing that we can do about it. The most common cause of clicker failure is battery failure. It is your responsibility to obtain a new battery or a new clicker.

**Class Preparation:** Before each class, one or more quizzes will be available online. To access them you should click on the tab for the corresponding lecture. In order to fully benefit from them, you should perform the following assignments in the following order:

First, you should do the assigned readings in the syllabus for each of the quizzes that have become available and before you take that quiz. Most of the readings are in the textbook, but there are additional readings posted on the Resources page and listed in the syllabus for the first

and second classes. Resource readings are designated with an R on the syllabus, in contrast to the textbook readings, which list the chapter.

Second, you should take the timed retrieval quiz associated with each reading assignment as soon as you have read it. Do not click on it until you are ready to proceed with the entire quiz. **You will only be able to take the timed assessment once.** Hence, once you open it you must answer all of the questions and submit it for grading. Otherwise, you will not receive credit. You cannot begin it, close it, and come back and complete it later.

Third, you should take notice of the feedback for any questions you get wrong. Each question will refer to specific paragraphs in your text. The page and paragraph reference is next to the question number and part of the feedback. For example, 17.3-18.1 means read from the third paragraph on page 17 to the end of the first paragraph on page 18. To find the target paragraphs, begin with the first paragraph on the page, even if it begins on the preceding page. Also, if the target paragraph is the last paragraph on a page, you have to continue to the next page if it is continued there.

The information you must learn from this course is encoded in about 150 4-question sets. All four questions in each set are about the same fact-statement. So knowing the answer to one question in the set implies knowing the answer to them all. If you take all the quizzes, participate in all the classes, and attend to the feedback then you should get 90% correct on the exams. If you get 90% correct on the exams then you will get an A in the course.

Students are strongly urged to first read the assignment and then take the quiz, taking notice of the correct answers for those questions gotten wrong. Every quiz question is similar or identical to a question that will appear in class and on an exam. Hence, there is no better way of preparing for class and the exams than by doing the reading and taking the quizzes.

Also, the Power Point slides used in the online and on campus classes are available on the Resource page. Just click on the appropriate links on the Resource page.

**Class Participation:** For a class on campus, you should come to class, on time, at 6 PM, and participate in the discussion. For a class online, you should enter the chat room at the start of class, 6 PM and participate in the discussion.

Online, you will be able to go through all the Power Point slides accompanied by an audio lecture. You will answer all the questions about the lessons online. You will only have a **brief** period of time to answer each question, so be prepared!

**Class Participation Grade:** Each student will receive a class participation grade for the course, which will be the percent correct for all online questions. If the class participation grade is higher than the exam grade then it will be averaged with the final exam grade to determine the final grade for the course. Otherwise, it will not count. Hence, your class participation grade can raise but cannot lower your grade in the course. There is no way to gain access to or make up a quiz that you miss.

You do not get credit for disrupting an on-campus class by arriving late or leaving early.

Grades will be posted on the Sakai grade book.

**Exams:** There will be two exams during the course. Exam 1 will cover the first half of the course. Exam 1 will be an on-campus clicker exam at the end of class Thursday July 25. So you must bring your (working) clicker to the exam. I do not have extra clickers to lend. Exam 1 will be presented at the end of class on Thursday July 25. It will cover the material on the first six

lectures. It will be a multiple-choice exam. Exam 2 will be online and will be available from 10 PM Tuesday August 13 until 11 PM Wednesday August 14. It will cover the entire course. It will be a multiple-choice exam.

**Make up exams are not given.**

**If you miss an exam then you will receive a zero for that exam.**

**If you are found to have a cell phone or any other communication or recording device, e.g., camera, during an exam then you will receive an F in the course.**

**If you are found to have in your possession any notes or other unauthorized materials during the exam then you will receive an F in the course.**

All of the exam questions will be similar or identical to the questions answered earlier in the course. Each question is presented once for a brief period.

**Attendance and Classroom Decorum:** You should not arrive late or leave early. Cell phones should be off. You should dress appropriately and **you should not put your feet on the seat in front of you.**

**Grading:** Final grades will be determined by the following point system: 90%-A, 80%-B, 70%-C. Plus grades will be determined by the distribution of scores.

**Extra Credit:** You can gain 10 extra credit points by participating in an experiment. This will occur at the end of class on Thursday August 1 and then again a week later on Thursday August 8. On the first day (Aug 1), you will be asked to read a set of passages and will then be given multiple choice questions based on these passages. The questions will be presented on a Power Point slide and you will respond by using your clicker. A week later, on August 8, you will be given two exams. The first exam will consist of short answer recall questions and the second exam will consist of multiple choice questions on the passages a week early.

**Syllabus:**

		Ch. 1 Evolution of Learning	
Tuesday Online	July 9	Ch. 2, pp 16 - 18	01. Evolution of Cognition
		Ch. 7, pp. 175-178, 190	

Thursday In-Class	July 11	Ch. 2	02. Action
		Ch. 12, pp. 318 -319	
Tuesday Online	July 16	Ch 2, pp. 16-18, 32-38	03. Skill Learning
		Ch. 12, pp. 318 -319	
Thursday In-Class	July 18	Ch. 3	04. Visual Perception
Tuesday Online	July 23	Ch. 4	05. Attention
			06. Semantic Memory
Thursday In-Class	July 25	Ch. 5	
			Exam 1
Tuesday Online	July 30	Ch. 6	
		Ch. 7, pp. 175 - 190	07. Infant Learning
Thursday In-Class	Aug 1	Ch. 8, pp. 209-217	08.1 Intentional Learning
			08.2 Anterograde Amnesia
Tuesday Online	Aug 6	Ch. 7, pp. 191 - 198	09. Categorization & Causal Learning
		Ch. 8, pp. 199-209	
Thursday In-Class	Aug 8	Ch. 9	10. Recognition & Recall
Tuesday Online	Aug 13	Ch. 10	11. Autobiographical Memory
Tuesday Online	Aug 13-14		Exam 2

## Learning Goals

1. Student will learn to show up on time and stay until the end of the class.
2. Student will learn not to put feet on furniture.
3. Student will participate in discussion during class.
4. Student will understand over 100 facts about how people perceive, learn, and remember and will be able to apply those facts to examples to which they are relevant.

## Clickers

# Interactive Response Devices

This class will be using Turning Technologies Student Response Systems as a tool to allow students to respond to questions from the instructor's presentations. Each student must have a response device in order to be able to participate in this class. There are two types of response devices, so read the descriptions below carefully to choose which is right for you. ResponseCards, also known as clickers, may be purchased from the campus bookstores.

## Below are the two clickers available that may be used with this class.

The difference between the two devices is that with the ResponseCard RF, when you submit a response, you will receive a green light indicating that your response was received. With the ResponseCard RF-LCD, you'll see the answer you submitted displayed on the device's LCD screen. You will also be able to see your battery life, and to what channel your clicker is set.

### **ResponseCard RF Keypad**

**Product ID:** RFC-02

**ISBN:** 978-1-934931-39-4

**Description:** Handheld clicker device for instant feedback and polling

### **ResponseCard RF LCD**

**Product ID:** RFC-03

**Description:** Handheld clicker device for instant feedback and polling. Includes an LCD screen that provides students with visual confirmation of selected response, channel setting and battery life.

## Need Technical Support with your response card?

Call Turning Technologies' Support Team, M-F 7:00 AM - 9:00 PM  
at **(877) 726-4602**  
or email: [support@turningtechnologies.com](mailto:support@turningtechnologies.com).