830:305 Cognition Fall 2017

Instructor: Arnold Glass, Office hours are Tuesday and Thursday at 6:30 PM in 121 Psychology Building, Busch. However, one should always make an appointment by email in advance. Email: aglass@rutgers.edu

Teaching Assistant: Ryne Choi email: rmc317@scarletmail.rutgers.edu

Time and Location: T,Th section 01: 3:20 - 4:40; section 05: 5:00 - 6:20 SEC 118

Book: Cognition: A Neuroscience Approach by Arnold Glass, published by Cambridge University Press. Available from the Barnes and Noble Rutgers bookstore and, of course, online.

You must bring to every class a device on which you can download Respondus Lockdown software in order to take quizzes and exams.

Class Preparation: Two - five days before each class or exam, a quiz will be available at Tests & Quizzes.

In order to benefit from the class structure, you should perform the following assignments in the following order:

First, you should do the assigned reading.

Second, you should take the timed online homework quiz. 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.

Each online quiz will be available from the end of one class until 12:05 AM on the day of the next class. The quiz will not be available at any other time. If you skip a quiz you will not be able to take it later. After 12:05 AM feedback for the quiz will be available. So you will be able to review the correct answers before class.

Third, you should take notice of the feedback for any questions you get wrong. You should reread the relevant material in the textbook. Feedback will not be available until after everyone has taken the quiz.

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 practice 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 practice quizzes.

Fourth, you should come to class, on time, with a working laptop, tablet, or smart phone and answer all the questions asked in class. You should log on to the Sakai course website because it is here that you will find the questions you must answer during class.

The information you must learn from this course is encoded in about 134 5-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. Let us call five questions in the same set: Q1, Q2, Q3, Q4 and Q5. Q1 will appear on the online quiz before class. Q2 will appear in class and Q3 will appear on as an online review question before the next hourly exam. Q4 will appear on an hourly exam and Q5

will appear on the final. If you take all the quizzes and participate in all the classes, 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.

Each student will receive a quiz grade for each third of the course. If the quiz grade is higher than the class participation grade then it will be averaged with the class participation grade. Otherwise, it will not count. Hence, a quiz grade can raise but cannot lower your class participation grade. There is no way to gain access to or make up a quiz that you miss.

Class Participation: Each student will receive a class participation grade for each third of the course based on the number of questions answered correctly in class. If the class participation grade is higher than the exam grade then it will be averaged with the exam grade for that third of the course. Otherwise, it will not count. Hence, class participation can raise but cannot lower your exam grade. You do not get credit for disrupting class by arriving late or leaving early. **So if you do not respond to the first and last question of a class then you will receive a participation grade of 0 for the entire class. Also, anyone found to have two clickers will receive an F in the course. Also, anyone whose clicker shows up in class without him or her will receive an F in the course. Also, anyone using a camera, camera phone, or any other unauthorized recording device will receive an F in the course.**

If you are called on in class and you do not respond but responses were recorded for you during that class, then you will receive an F in the course. It does not matter whether this is because you were ignoring the lecture or just stepped out for a moment. You will get an F in the course.

Students will not be allowed to use a laptop or to use your smartphone for any purpose other than answering questions in class.

Rosh Hashonah: Students will not be penalized for missing class Thursday September 21 to honor the end of Rosh Hashonah.

Lecture Notes: The Power Point slides used in class are available on line.   There may be slight differences in the slides I use in class because I am always updating and revising my notes.

Challenging Exam Grades: Grades will be posted on the Sakai grade book. You have one week from the day of the exam to challenge the grade on the exam. You may do so by making an appointment to go over your exam in person. If you do not challenge your grade within the week then it will be final and you will have no further opportunity to see or go over your exam.

Exams: There will be 3 exams during the semester and a fourth final exam during the final exam period.

If you miss an exam and your excuse is accepted then your online/participation score will be used as your exam grade. Make up exams are not given. Be warned that online/participation scores are usually much lower than your likely exam score.

If you miss an exam and your excuse is not accepted 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 that is not being used for the 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.

Exams 1, 2, and 3 and the final are Sakai exams. So you must bring a laptop or smart phone with an internet connection to class.

The final exam will be section 01: Friday, Dec 15, 2017: 8:00 AM - 11:00 AM **section 05:** Wednesday, Dec 20, 2016: 12:00 PM - 3:00 PM

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.**

If you arrive before class begins then **do not** sit in the last two rows.

If you arrive after class begins or plan to leave early then please sit in the last two rows so that you do not disturb your classmates.

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. For each block, three grades will be computed: for the online quizzes (q), for the in-class quizzes (c), and for the exam (e). The online and in-class grades will only be based on questions for which a related question appears on the exam.

The three grades for each block will be combined to compute a single adjusted exam grade for each block. The adjusted exam grade (e') for the block will be computed as follows:
set $c' = \max[(q+c)/2, c]$; set $e' = \max[(c'+e)/2, e]$

The three adjusted exam grades, e1', e2', and e3' and the final grade (f) will be combined to compute the course grade. The course grade will be computed as follows:
set course grade $= (1/6)*e1' + (1/6)*e2' + (1/6)*e3' + (1/2)*f$

You are responsible for knowing the material on this syllabus. If you email me or ask me a question that is answered on this syllabus then I will answer it, but I will also deduct a point from your final grade.

Syllabus:

Tuesday	Sept. 5	Ch. 1 Evolution of Action	Evolution of Learning
Thursday	Sept. 7	Ch. 2 Evolution of Cognition	Instrumental & Habit Learning
Tuesday	Sept. 12	Ch. 2 Evolution of Cognition	Procedural & Declarative Learning
Thursday	Sept. 14	Ch. 3 Motor Action	Action
Tuesday	Sept. 19	Ch. 3 Motor Action	Skill Learning
Thursday	Sept. 21	Ch. 4 Mental Action	Attention 1: Looking & Listening
Tuesday	Sept. 26	Ch. 4 Mental Action	Attention 2: Task Performance
Thursday	Sept. 28	Ch. 5 Serial Learning, Talent	Serial Learning, Talent
Tuesday	Oct. 3	Ch. 6 Vision	Visual Perception
Thursday	Oct. 5	Ch. 6 Vision	Visual Recognition
Tuesday	Oct. 10		**EXAM 1**

Thursday	Oct. 12	Ch. 7 Semantic Memory	Semantic Memory
Tuesday	Oct. 17	Ch. 7 Language	Language Processing
Thursday	Oct. 19	Ch. 8 Infant Learning	Infant Learning
Tuesday	Oct. 24	Ch. 8 Language Learning	Language Learning
Thursday	Oct. 26	Ch. 9 Categorization	Causal Learning
Tuesday	Oct. 31	Ch. 10 Learning	Rehearsal
Thursday	Nov. 2	Ch. 10 Mnemonics	Elaboration & Imagery
Tuesday	Nov. 7		**Exam 2**
Thursday	Nov. 9	Ch. 10 Amnesia	Consolidation & Amnesia
Tuesday	Nov. 14	Ch. 11 Recognition	Recognition Judgment
Thursday	Nov. 16	Ch. 12 Recall	Recall
Tuesday	Nov. 21	Ch. 13 Autobiographical Mem.	Autobiographical Memory
Tuesday	Nov. 28	Ch. 14 Reasoning	Reasoning 1
Thursday	Nov. 30	Ch. 14 Reasoning	Reasoning 2
Tuesday	Dec. 5	Ch. 15 Problem Solving	Problem Solving
Thursday	Dec. 7	Ch. 15 Intelligence	Intelligence
Tuesday	Dec. 12		**Exam 3**