

# Syllabus Neuropsychology

## 310 section 02 – Fall 2014

### Version 09-01-2014

## Who

Instructor: Estelle Mayhew

Instructor email: emayhew@rci.rutgers.edu

TA : Mary Himmelstein

TA email: <mary.himmelstein@rutgers.edu>

## Email procedures

### *Politesse*

- Please remember to SIGN (that means first and last name) your emails.
- I have a lot of students (800+ this semester), and I am afraid I don't know who you are, even if you have emailed before. Therefore you also need to indicate in EVERY email WHICH CLASS you are in. *If you forget to indicate your name, or your class, I am unlikely to reply to your email. (this applies all the way to the end of the semester).*

### *Questions via email*

- If it's a minor issue, ask me before/after class.
- If you ask an administrative question for which the answer is in the syllabus or in the announcements on Sakai, I will reply with "check syllabus and announcements on Sakai". So if you have checked those places and still have an administrative question, start with something like "I read the syllabus and the announcements carefully, and I could not find the answer to the following question".
- On other issues, I will try to get back to you within 3 days. Any emails sent at unearthly hours may not get read before class period, keep it in mind.

## When/where

Class location: Lucy Stone Auditorium

Class time: Mondays & Wednesdays 3:20-4:40 pm

Office hours instructor: Mondays, 10:15 - 11:15 am or by appointment

Office location instructor: Room 229, Tillett Hall Livingston Campus

Office hours TA: Tuesday afternoons from 1:30-2:30 pm or by appointment

Office location TA: Tillett 409

## Office hours and exams

### *Looking at your exam*

(A) *To see your exam -- go to the TA's office hours*

- The TA is in charge of copying and grading the exams.
- The TA will have the physical exams.

- If you wish to see your exam (and this is a **very** good idea) then you must visit the TA during her office hours.
- If you then wish to discuss the exam with me, Mary can send it to me and we can go over it together. **Bring your review question sheets** (the answers you prepared to the review questions) when we discuss the exam, so we can see how your preparation for the exam can be tweaked.

*(B) What to look for in your exam*

- Look at the questions you got wrong.
- Then try to figure out **why you got them wrong!** Did you not know the answer at all? Did you not know which of two answers was correct? Did you read the question too quickly and misunderstand what was being asked? Did you overthink? Were all your mistakes on one topic? What type of questions did you get wrong? Fact questions, concept questions, application questions?
- Once you see what types of mistakes you made, consider how to change your studying so that you don't make this type of mistake again (or fewer of them in any case).

*To arrange office hours "by appointment"*

- If you can't make my standard office hours we can meet "by appointment". What this means is that we need to coordinate our schedules. The fastest way to do that is to send me the slots of time that you can reasonably make it to my office (Tillett 229, Livingston campus), and I will look at those and pick some times that also work with my schedule (which varies from week to week).
- Example of timeslots:  
Mondays 10-12 and 3-4, Tuesdays 9-12, Wednesdays after 4, Thursdays before 2, Fridays no availability.
- Sending me just one time is almost never going to work, so be comprehensive the first time and save us some email back and forth.

## What is this course about?

The goal of this course is to make you familiar with the basics of neuropsychology, that is, the study of the relationship between the brain and nervous system structures, and behavior.

We will first therefore look at the various nervous system structures, and what behaviors they are involved with. We will then be studying what can go wrong with those nervous system structures, and what the resulting behavioral disorders are. Along the way, we will also be learning about the methods in which knowledge is gained about the brain and the related behaviors.

## Reading

**There is no required book for this course.**

College textbooks are expensive, as you are all well aware. I don't use any particular book as a basis for this course. You can readily get further information on the material we cover in lecture

on the internet, especially when it concerns anatomy. However, if you feel more secure having a book to look things up in then you can use:

Principles of Neuropsychology, by Eric Zillmer, Mary Spiers, and William Culbertson. 2nd edition (2008). Published by Thomson and Wadsworth.

There will be copies of this book on reserve in the Kilmer library on Livingston campus.

You can also find another source with background information about the topics covered in class. **The review questions that will be posted on Sakai are your guide to what you must know for the exams.**

## Class Website

- The class has a Sakai website which you should have access to if you are enrolled in the course.
- Make sure you check that you can access our site, and keep an eye on announcements from the site.
- The class slides (which are only an outline of the material covered) will be posted on Sakai. Posting will take place before class, so you can take notes on the printouts, but there may be empty slides with material to be filled in in class.
- Assignments will be posted Sakai under "tests and quizzes". Count on three assignments before each exam.
- Most importantly review questions will be posted on Sakai. They basically spell out what you should know for each exam. If you thoroughly know the answers to the review questions, you will do well in the course.

## Tentative Class Schedule

| Week | Dates         | Topic   |
|------|---------------|---|
| 1    | Wed, Sep. 3   | Course Rules/ What is neuropsychology/Outline               |
| 2    | Mon, Sept. 8  | History & theoretical issues in neuropsychology/Terminology |
|      | Wed, Sept. 10 | Brain cells/Embryology & development                        |
| 3    | Mon, Sept. 15 | Neuroanatomy, Parts, Support                                |
|      | Wed, Sept. 17 | Neuroanatomy, spinal cord, cranial nerves                   |
| 4    | Mon, Sept. 22 | Neuroanatomy, intro brain                                   |
|      | Thu, Sept. 24 | General brain damage (trauma, vascular disorders, tumors)   |
| 5    | Mon, Sept. 29 | General brain damage continued                              |
|      | Wed, Oct. 1   | Methodology, imaging  |

|    |                                     |  |
|----|-------------------------------------|--|
| 6  | Mon, Oct. 6                         | EXAM 1                                 |
|    | Wed, Oct. 8                         | Methodology, electrophysiology, sleep  |
| 7  | Mon, Oct. 13                        | Epilepsy                               |
|    | Wed, Oct. 15                        | Sensory systems/occipital lobes        |
| 8  | Mon, Oct. 20                        | Occipital lobes                        |
|    | Wed, Oct. 22                        | Temporal lobes                         |
| 9  | Mon, Oct. 27                        | Temporal lobes                         |
|    | Wed, Oct. 29                        | Temporal lobes/ Parietal lobes         |
| 10 | Mon, Nov 3                          | Parietal lobes/ Frontal lobes          |
|    | Wed, Nov. 5                         | Frontal lobes motor function           |
| 11 | Mon, Nov. 10                        | EXAM 2                                 |
|    | Wed, Nov. 12                        | Motor function disorders               |
| 12 | Mon, Nov. 17                        | Executive function                     |
|    | Wed, Nov. 19                        | Hemispheric specialization             |
| 13 | Mon, Nov. 24                        | Plasticity                             |
|    | Wed, Nov. 27                        | RU calendar change ( <b>no class</b> ) |
| 14 | Mon, Dec. 1                         | Memory/Language disorders              |
|    | Wed, Dec. 3                         | Language/reading disorders             |
| 15 | Mon, Dec. 8                         | Childhood disorders                    |
|    | Wed, Dec. 10                        | Aging & Dementias                      |
|    | Study like your life depends on it! |  |
| 16 | December 19                         | FINAL EXAM 12-1:30 pm                  |

## What makes the grade?

### (1) Exams

- There will be three non-cumulative exams. Two exams during the semester and a final exam. Material covered in each exam is indicated below. The two exams during the semester will be held in our normal location. The final exam will be held in our normal location, unless you get email/Sakai notification to the contrary. See further down in the syllabus for absence policy.

Exam 1:           Material wks. 1-5     30% of grade

Exam 2:           Material wks. 6-10    30% of grade

Exam 3:           Material wks. 11-15   30% of grade

- Exam characteristics:
  - 50 Multiple choice questions
  - Covers lecture, see review questions

#### *Exam conflicts*

- *If* you have a conflict for the final exam, which is defined as follows by SAS:
  - More than two (2) final exams on one calendar day
  - More than two (2) final exams scheduled in consecutive periods (ex: A student has exams scheduled for 4:00-7:00 pm and 8:00-11:00 pm on one day and 8:00-11:00 am on the following day.)

- Two final exams scheduled for the same exam period.
- *Then* you are allowed to ask for a makeup on the basis of conflict.
- In order to obtain it, you need to go to <http://finalexams.rutgers.edu> and log in (it's at the top of the page). *Print out* your final exam schedule and only then come to me. You should actually be able to do this on the first day that your schedule is finalized. The day before the exam conflict is TOO LATE to come asking for a makeup! When I have looked over your schedule, and told you that you qualify, I will ask you to send me an email saying we talked this over, and I will email you the time and place of the makeup.

## (2) Assignments

- Assignments make up the remaining 10%. They are completed on Sakai, and they will have a deadline, after which you CANNOT submit the assignment. Assignments will be Multiple choice practice/review questions, they are open notes. There will be about 3 assignments per “exam period”.

## (3) Extra Credit

- There will be extra credit in the form of clicker questions during class. The total possible extra credit is 5 course points (i.e. half a letter grade).
- For each day there are clicker questions – by no means all classes – you earn a percentage grade.
- At end of semester all percentage grades are averaged and the proportion multiplied by 5.
- Clicker questions start counting with the questions on September 17th. Clicker questions on days before then are to make sure your clicker works, so do bring it.
- The spreadsheets showing responses during a class will be posted within 4 days of the class. It is your responsibility to check if your clicker answers were received by my signal receiver. If it was a poll, it will just say if the clicker responded during class, and not indicate what responses were given.
- THERE IS NO OTHER EXTRA CREDIT

## How to do well in the course

- Come to class, and arrive in time.
- Announcements are at the beginning of class, and they are frequently important! Make sure you arrive in time.
- Pay attention in class (i.e. what is getting explained/emphasized). Get enough sleep before class, or your body will be present but not your brain.
- **Prepare the answers to the review questions, start early. These questions are your guide to what you should know. So KNOW the answers, be able to explain them to your roommate!**
- Buy/borrow/dig up your old Turning point clicker and use it in class so you get the extra credit.

## Grading Scale for letter grades end semester

|    |               |
|----|---------------|
| A  | 90% or higher |
| B+ | 85% - 89%     |
| B  | 80% - 84%     |
| C+ | 75% - 79%     |
| C  | 70% - 74%     |
| D  | 60% - 69%     |
| F  | below 60%     |

## Course Ground Rules

### (a) In class

I really only want you in class if you are going to be paying some attention, so be so kind as to turn off your cell phone. If you urgently need to have a conversation, or watch YouTube you are free to do so, but go elsewhere. Other people want to learn the material, even if you are currently not so inclined.

### (b) Academic dishonesty

You are required to abide by the Rutgers policy on academic integrity; please familiarize yourself with this policy, you can view it at <http://academicintegrity.rutgers.edu/integrity.shtml>  
Read the section on level three violations and the sanctions that follow!

### (c) Absences from class

It is your responsibility to arrange to obtain information (other than the downloadable class slides, and those are outlines) if you miss one or more classes. Please do not ask or send email to the professor or teaching assistant. If you can, arrange in advance for someone in the class that you know to take good notes for you.

### (d) Missing an exam

- There will be non-cumulative make-up exams.
- ONLY for those who present a doctor's note or a Dean's note within a week of the missed exam to the instructor can take this without penalty.

You will be allowed to take a make-up exam if, within one week of the exam, you present a doctor's note or letter from your dean's office to the professor.

- (a) For illnesses: I need a doctor's note to verify your illness. So if you get sick, *get a doctor's note.*
- (b) For car accidents: the dean will most likely ask for a police report to verify that the accident took place.
- (c) For personal or family emergencies: the dean will most likely require some verification of the emergency (such as a death certificate or obituary if a relative has died). If it is a personal issue of some other nature, it will be up to the judgment of the dean to determine whether or not you should be excused from the exam (and thus be allowed to take the make-up).

Basically folks: I need some paper documentation from you.

- Those who miss the exam because they forgot, overslept, were inebriated, or whatever other reason that is not really an excuse, have to come to talk to me within one week of the exam, and will probably be allowed to take the makeup exam with a penalty: 8% off the top of the exam grade. In the end that is better than a zero for the exam.

**Note: Your decision to remain enrolled in the course after the first class session is your implicit agreement to abide by everything stated above.**