

Physiological Psychology Lab PSYC 373 Section 2C2 Summer 2013

Instructor:	Daniel Ehlinger	E-mail: dehlinge@gmu.edu
Class Time:	Monday & Wednesday 6:30-9:20 pm	
Class Location:	Exploratory Hall L509	Office Phone: 703-993-5455
Office Hours:	Monday 2:30 pm – 3:30pm	Office Location: DKH 2027

Goals of Lab: The primary goal of this lab is for students to learn brain and eye structure locations with some understanding of related function. A secondary goal is for students to gain critical skills in interpreting peer-reviewed research literature, specifically neuroscience-related literature.

Materials You Need To Purchase:

- ❑ Cooley, R.K., & Vanderwolf, C.H. (2001). *The Sheep Brain: A Basic Guide*. A.J. Kirby Co.: London.
- ❑ Basic Dissection Kit

Material covered in lab will be the basis of quizzes and exams, so you are highly encouraged to attend lab. Attendance during dissections is especially essential because these will be your **ONLY** chance to use the sheep brain and eye. It is not possible to repeat missed dissections during the following lab meeting. If you know you will be absent for a class ahead of time, talk to me and I may be able to arrange for you to attend the evening lab section.

NOTE: You are responsible for all announcements and any syllabus modifications made in class each week whether you are present or not.

Lab Practical Exams: Practical exams are approximately 50% of your grade in this lab. These exams consist of identification and/or questions regarding pinned brain structures. The Lab Practical Exams cannot be made up at a later date. The nature of the exam does not allow it to be reproduced or preserved. Practical 1 will be administered on *July 15*, covers Brain Tours I & II, and is worth 50 points. Practical 2 is a cumulative final administered on *July 29*, and is worth 100 points.

Quizzes: There will be 2 quizzes worth 30 points each, based on lecture material covered in class. These quizzes will not require identification of brain structures. Questions will be in the form of multiple choice, true/false, fill-in-the-blanks, labeling a diagram, and/or short answer. The first quiz will be *July 8* and the second quiz will be *July 22*.

Article Summary: Each student will select an article from a scientific journal or magazine that relates to the topics covered in PSYC 373 or 372 (**published during the last 5 years**). A worksheet detailing the format of your article summary will be passed out in class and posted on Blackboard. A photocopy of the complete article must be turned in with your summary. All references must be cited in APA format. The article summary will be worth 30 points and is due *July 10*.

Presentations: Each student must give an 8-10 minute presentation on a neuroscience/biology topic of his/her choice. I must approve topic choices no later than *July 17*. You may want to

consider using your written article summary as a potential topic for your presentation. On *July 24* you must turn in to me a typed outline of your proposed presentation, which will be worth 10 points. Be sure to include all references. Each student will be required to provide some sort of visual aid (handouts, overheads, PowerPoint presentation) to accompany the presentation. Part of your presentation grade will be based on your presence at others' presentations. The presentation will be worth 40 points.

Policy Regarding Late Assignments: Unless the student has obtained my consent to postpone an assignment, including quizzes, or has written medical documentation for absence from a quiz or other assignment, there will be an automatic grade-loss penalty of 10% that will be deducted from the score of the make-up quiz or late assignment. Permission to postpone a quiz or to turn in an assignment late will only be given for very important and acute reasons. Any make-up quiz or assignment will be structured like the original, but the content may be different. If a late assignment is not turned in or if a quiz is not taken before the following class meeting, a zero will be given for that assignment. Any documentation required for excused absences **MUST** be turned in by the following lab period. Additionally, I will not accept any work over email.

The GMU honor code will be strictly enforced. Cheating and plagiarism will not be tolerated and will be reported to the University Honor Board &/or penalized. Information that must be used from an outside source must be cited in correct APA format.

Technology Statement: Required knowledge of technology for this course includes ability to retrieve handouts sent via email to your GMU address or posted on Blackboard. Occasionally, I may use computer programs or the Internet in class to present demonstrations of relevant material.

Students with Disabilities: If you are a student with a disability and you need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 703-993-2474. All academic accommodations must be arranged through that office.

* This course does require participation in dissection of animal parts. If you have a concern about this, please meet with me as soon as possible.

Add/Drop Deadlines: The last day to add or drop a class is **July 8**. The last day to drop a class is **July 15**.

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	Tentative Course Schedule:	Assignments Due:
July 1	Introduction/Neurophysiology & Action Potential/Postsynaptic Potential	
July 3	No Class- Independence Day	
July 8	QUIZ 1 (Neurophysiology, Action Potential/Postsynaptic Potential) Brain Tour Part I	
July 10	Brain Tour Part II (Cranial Nerves) Study session	Article Summary Due
July 15	Lab Practical I (Brain Tours I & II)	
July 17	Visual System (Sheep Eye Dissection)	Presentation Topic Due
July 22	Quiz 2 (visual system) Midsagittal Dissection	
July 24	Coronal Dissections Study Session/Review of dissections for Lab Practical II	Presentation Outline Due
July 29	Lab Practical II (cumulative)	
July 31	Presentations	8-10 Minute Presentation

Grades:

Quizzes (30 pts x 2)	60 points
Attendance	10 points
Lab Practical 1	50 points
Lab Practical 2	100 points
Presentation Outline	10 points
Presentation	40 points
Article Summary	30 points
Total	300 points

A+ (97%+); A (90-96%)
B+ (87-89%); B (80-86%)
C+ (77-79%); C (70-76%)
D (60-69%);
F (59% & below)