

**Friday 12 – 1:50 KC 225**

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**CONTACT INFORMATION**

Office: Hyde Hall 208

Instructor: Lora A. Becker, Ph.D.

Office phone: 812-488-2532

Office hours: I can be reached at my office during the hours of 8 – 8:50 Monday, Wednesday, Friday, 8 – 9:10, Tuesday, Thursday, 10 – 10:50 Monday, Wednesday and Friday, and 1 – 1:50 Monday and Wednesday. Others times might be available by appointment.

E-mail: [LB47@evansville.edu](mailto:LB47@evansville.edu)

*\*I answer e-mail between 6am and 4pm on weekdays. You will get a reply within 24 hours during the weekday. I will answer all weekend e-mail by 9 am on the following Monday.*

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**TEXT** Laboratory Booklet is offered through the University of Evansville Bookstore.

**COURSE DESCRIPTION**

The aim of this course is to provide students with experience with laboratory techniques, experimental paradigms and real-life exposure to the concepts and research findings they read about in NEUR/PSYC 357, Neuropsychology.

**COURSE OBJECTIVES**

Neuropsychology laboratory course is an active introduction to the basic techniques and experiments used in the investigation of physiological psychology. It involves the study of brain function and physiological processes as they relate to behavior. We will examine the function of hormonal mechanisms, nervous system and brain as they relate to emotion, motivation, thinking, learning, memory and other areas of human behavior.

**BACKGROUND**

A course in Biology, BIOL100 or higher, and NEUR/PSYC 357 (can be concurrent).

**CREDIT HOUR POLICY**

This course is a laboratory class worth credit hour and as such has one session of class per week lasting two hours and requires more than four hours of homework outside of class per day. This class meets across the entire semester. In total, this course meets the federal requirements of 30 hours of laboratory, studio, or similar work plus 15 hours of out-of-class work per credit hour.

**RELEVANT UNIVERSITY OF EVANSVILLE LEARNING OBJECTIVES- NEUR/PSYC 358**

You will have the opportunity to develop and improve intellectual and practical skills such as written and oral communication (via Laboratory reports and presentation) and problem solving through participating in and scientific method driven research.

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## LABORATORY ATTENDANCE IS REQUIRED!

Failure to attend will result in an 'F' for the class. Prepare to attend each lab for the full 2-hour period. Some days may take more time. Some labs will require you to wear protective clothing and gloves. Please bring in a smock or other covering that can protect your clothes from damage.

## LABORATORY REPORTS

Laboratory units require a lab report in which you explain what was done in the lab, how it was accomplished, what were the result of that project or experiment and a discussion of the findings. The format for each lab will be explained in the lab book. Each report is worth 10 points. All reports make up 33% of your final grade. Each lab report is due at the scheduled week after the lab was performed.

## What is Plagiarism?

**Plagiarism** is defined as *the action or practice of taking someone else's work, idea, etc., and passing it off as one's own* in the [Oxford English Dictionary](#). Below is information posted on the UE Library website;

[The Cite is Right](#)

[You Quote It, You Note It!](#)

[The Plagiarism Court](#)

[What is Plagiarism?](#)

## ORIGINAL RESEARCH PROJECTS

Students will produce a research project this semester using the tools and species available in the lab. Research groups of 3 or fewer students will work together on a research project involving an IACUC proposal, data collection, poster presentation and Individual paper write-up. The project, paper and presentation are worth 33% of your final grade.

## LABORATORY PRACTICAL EXAMS

Each lab practical will be administered during the class period. The 30 point test will be divided into multiple-choice and fill-in (identify) questions on your exam paper and questions located at stations around the room. Due to the nature of the lab exams, NO makeup exams will be allowed. Exams are worth 33% of your final grade.

## GRADE CALCULATION

$((\text{Sum of lab reports}/90) * 0.33) + ((\text{Sum of lab tests}/90) * 0.33) + ((\text{original research}/30)*.33)) * 100$  No extra credit is offered in this class.

## GRADE DISTRIBUTION

95 – 100	A	83 – 86	B	73 – 76	C	66 – 60	D
90 – 94	A-	80 – 82	B-	70 – 72	C-	0 – 59	F
87 – 89	B+	77 – 79	C+	67 – 69	D+		

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## COURSE CALENDAR

<b>DATE</b>	<b>LAB TOPIC – (LAB REPORT DUE)</b>
August 28	1 - Laboratory introduction, safety and lab experiment groups
September 4	2 - Animal Testing and Procedures in Neuropsychology (L1)
September 11	3 - Experimental Design and IACUC proposal writing (L2)
<b>September 18</b>	<b>IACUC proposals due via E-mail</b>
September 18	4 - Action/resting membrane potentials (L3)
September 25	5a - Dissection of sheep brain – exterior structures (L4)
October 2	5b - Dissection of sheep brain – interior structures * <b>no report due</b>
Oct 5-8	Dr. Becker will open the room and be there for sheep brain questions/study supervision for as many evenings the class chooses. Participate in the Doodle pole to determine meeting times.
<b>October 9</b>	<b>Lab Exam 1 (30 questions on Lab 4 and 5)</b>
<b>October 10 – 13</b>	<b>Fall Break</b>
October 16	6 - Sensation Perception and Motor Movement
October 23	7 – Biofeedback (L6)
October 30	8 - Reproductive and Maternal Behavior (L7)
<b>November 6</b>	<b>Lab Exam 2 (30 questions on Lab 6, 7 &amp; 8)</b>
November 13	9 - Sleep cycles AND 10 - Polygraph (L8)
November 20	Project data analysis, poster assembly, group work (L9 & L10)
<b>November 25-29</b>	<b>Thanksgiving Break NO LAB</b>
<b>December 4</b>	<b>Project Poster Presentation</b>
December 7	<i>Individual</i> Project Reports are due on LiveText / Blackboard
<b>December __</b>	<b>Lab Exam 3 _____ KC 225 (30 questions on Lab 9, 10 and projects)</b>

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## **UNIVERSITY OF EVANSVILLE ACADEMIC HONOR CODE**

"I understand that any work which I submit for course credit will imply that I have adhered to the Academic Honor Code: I will neither give nor receive unauthorized aid nor will I tolerate an environment which condones the use of unauthorized aid."

Failure to honor this code will result in an Honor Code hearing and a possible sanction of removal from the University.

**WITHDRAWAL POLICIES** A course may be dropped without a designated grade during the first two weeks of a term of the regular academic year. From the third to the eleventh weeks, a grade of "W" is assigned. After the eleventh week, a grade of "F" is assigned. Discontinuance of attendance does not automatically constitute a withdrawal. Students failing to file a proper drop/add form by the appropriate deadline must complete classes for which they are registered or received a grade of "F". Withdrawal from a course after the deadline requires petition to and approval of the Admissions and Standards Committee and/or the Vice President of Academic Affairs.

**Last day to drop without a grade for Fall 2015 is Monday, September 1.**

**Last day to drop and receive a 'W' for Fall 2015 is Friday, November 13.**

**INCOMPLETE GRADE POLICY:** All coursework is to be completed within the semester it is attempted. If an emergency prevents a student from completing some portion of the required assignments, as instructor may give an 'I' or incomplete grade only if the following circumstances are met:

1. The student's other work in the course could earn a passing grade.
2. The outstanding task can be completed without further class attendance.

Outstanding course work normally should be completed within six weeks of the class ending, but the instructor may allow up to one year from the end of the term for which the 'I' grade is granted. It is the student's responsibility to have this deficiency removed within the agreed upon time period or within one year, whichever is less. If no grade change has been submitted by the instructor after the maximum one year grace period, the registrar is authorized to change all grades of 'I' to 'F'.

**ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES** It is the policy of the University of Evansville to make reasonable accommodations for students with properly documented disabilities. Written notification to faculty from the Office of Counseling and Health Education is required for any academic accommodations. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow two-week notice. Otherwise, it is not guaranteed that the accommodation can be received on a timely basis. If you have questions about services for students with disabilities or procedures for requesting services, you may contact the Office of Counseling and Health Education at 488-2663.

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