



# Independent Study | in Idaho

**PSYC 372**  
**Physiological**  
**Psychology**

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The University of Idaho in statewide cooperation with  
Boise State University — Idaho State University — Lewis-Clark State College

# Course Guide

Independent  
Study | in Idaho

*Self-paced study. Anytime. Anywhere!*

**Psychology 372**  
**Physiological Psychology**  
University of Idaho  
3 Semester-Hour Credits

**Prepared by:**  
Steve Meier  
Associate Professor  
University of Idaho

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## Table of Contents

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Welcome!.....	1
Policies and Procedures.....	1
Course Description .....	1
Course Materials .....	1
Course Delivery .....	1
Course Introduction.....	1
Course Objectives.....	2
Lessons.....	2
Exams.....	2
Grading .....	3
About the Course Developer.....	3
Contacting Your Instructor.....	4
Assignment Submission Log.....	5
Lesson 1: An Overview of Physiological Psychology .....	6
Lesson 2: Techniques Used in Physiological Psychology .....	7
Exam 1 Information (Covers Lessons 1 & 2).....	8
Lesson 3: The Nervous System.....	9
Lesson 4: Nervous System Specifics .....	10
Exam 2 Information (Covers Lessons 3 & 4).....	11
Lesson 5: The Spinal Cord .....	12
Lesson 6: Glial Cells and Neuronal Structures.....	13
Lesson 7: Neurophysiology and Neurochemistry.....	14
Exam 3 Information (Covers Lessons 5-7).....	15
Lesson 8: Disorders.....	16
Exam 4 Information (Covers Lesson 8) .....	17

## Psyc 372 Physiological Psychology

3 Semester-Hour Credits: U of I

### **Welcome!**

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Whether you are a new or returning student, welcome to the Independent Study in Idaho (ISI) program. Below, you will find information pertinent to your course including the course description, course materials, course objectives, as well as information about assignments, exams, and grading. If you have any questions or concerns, please contact the ISI office for clarification before beginning your course.

### **Policies and Procedures**

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Refer to the ISI website at [www.uidaho.edu/isi](http://www.uidaho.edu/isi) and select *Students* for the most current policies and procedures, including information on setting up accounts, student confidentiality, exams, proctors, transcripts, course exchanges, refunds, academic integrity, library resources, and disability support and other services.

### **Course Description**

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Physiological bases of animal and normal human behavior. Recommended Preparation: BIOL 102/BIOL 102L or higher.

Prerequisite: PSYC 101

*8 graded assignments, 4 proctored exams*

*Available online only.*

Students may submit 3 assignments per week; however, assignments and exams must be submitted consecutively, in the order outlined in the course. Before taking exams, students MUST wait for grades and feedback on assignments, which may take up to three weeks after date of receipt by the instructor.

ALL assignments and exams must be submitted to receive a final grade for the course.

### **Course Materials**

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#### **Required Course Materials**

- Carlson, N. and Birkett, (2013). *Physiology of Behavior: 12th Ed.* Allyn and Bacon. (Required for all Students. You can also use the Digital Version if desired.) ISBN-13: 9780134080918
- Pinel, J., (2008). *A Colorful Introduction to The Anatomy of the Human Brain* (Second Ed.) (Required for all Students.) ISBN-13: 9780205548743
- Other outside readings and materials from the internet are required.

### **Course Delivery**

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All ISI courses are delivered through BbLearn, an online management system that hosts the course lessons and assignments and other items that are essential to the course. Upon registration, the student will receive a *Registration Confirmation Email* with information on how to access ISI courses online.

### **Course Introduction**

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This course is designed to provide a comprehensive review of basic physiological processes and how these processes relate to behavior. The course will review techniques used in the field, human neural physiology

and anatomy, plus basic concepts in neurochemistry. In addition, disorders and symptomatology associated with various neurological disorders, psychological disorders, and addictions will be reviewed.

You should know this is a difficult class with considerable material to recall and conceptualize in a very short time. Thus, you must utilize good time management skills or you will be in trouble very rapidly. This is also not a memorize and flush class. Not only will you be asked to memorize material, but, you will be asked to integrate and problem solve with the information you learn. Past student comments indicate the exams are fair but hard. Thus, you must study like this is a live class. Make sure you reread what I said under the exam section and complete the assignments in the Pinel book. Finally, use groups to assist your studying. Individuals who have performed in the top 5% have always been in a study group.

If you have questions **the best way is to contact me through email**. My phone also transfers to my cell. Do not call me after 9pm or on weekends unless it is an emergency.

## **Course Objectives**

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1. The primary objective of this course is to allow you to gain a heightened understanding of, and appreciation for the nervous system and how it works.
2. We also anticipate you will gain an understanding of techniques used in the field.
3. This course will provide the background to understand the biology behind many psychological disorders that occur in society.

## **Lessons**

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Each lesson includes the following components:

- Lesson objectives
- A reading assignment
- Important terms
- An introductory lecture
- A written assignment or activity

### **Study Hints:**

- Complete all assigned readings.
- Set a schedule allowing for completion of the course one month prior to your desired deadline. (*An Assignment Submission Log* is provided for this purpose.)
- It is highly recommended that you outline the chapter to increase your understanding. Generally, students who outline material perform better than students who highlight or just read material.

## **Exams**

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- You must wait for grades and comments on assignments before taking subsequent exams.
- For your instructor's exam guidelines, refer to the **Course Rules** in BbLearn.

Refer to *Grading* for specific information on assignment/exam points and percentages.

There will be three examinations in this course. The exams are 50 multiple choice questions worth 2 points each for a total of 100 points. Each exam will only cover the material in the particular section.

## Proctor Selection/Scheduling Exams

All exams require a proctor unless an exam is self-administered.

To submit your *Proctor Information Form* online, visit the ISI website and select *Forms, Proctor Information Form*. Submit this form at least two weeks before your first exam. Refer to *Students, Assignments and Exams* on the ISI website for information on acceptable and unacceptable proctors.

## Grading

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The course grade will be based upon the following considerations:

<b>Assignment</b>	<b>Points</b>	<b>Percentage</b>
Lesson 1	25	4.25%
Lesson 2	25	4.25%
Lesson 3	25	4.25%
Lesson 4	25	4.25%
Lesson 5	25	4.25%
Lesson 6	25	4.25%
Lesson 7	25	4.25%
Lesson 8	25	4.25%
Total	200	34%

<b>Exam</b>	<b>Points</b>	<b>Percentage</b>
Exam 1	100	16.5%
Exam 2	100	16.5%
Exam 3	100	16.5%
Exam 4	100	16.5%
Total	400	66%

<b>Extra Credit</b>	<b>Points</b>	<b>Percentage</b>
<i>Option One</i>		
Term Paper	30	5%
<i>Option Two</i>		
EC 1	10	1.67%
EC 2	10	1.67%
EC 3	10	1.67%

A = 90% to 100%

B = 80% to 89%

C = 70% to 79%

D = 60% to 69%

F = 59% or less

The final course grade is issued after all assignments and exams have been graded.

Acts of academic dishonesty, including cheating or plagiarism, are considered a very serious transgression and may result in a grade of F for the course.

### **About the Course Developer**

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Your course developer is Steve Meier, an Associate Professor of Psychology at the University of Idaho. He received his Ph.D. in Psychology from Washington State University in 1991. He is currently the director of the University of Idaho Addictions Training Program. His academic training and expertise is in applied psychology with a specialization in addictive and high-risk behavior.

### **Contacting Your Instructor**

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Instructor contact information is posted on your BbLearn site under *Course Rules*.

<b>Assignment Submission Log Template</b>				
Send the completed <i>Proctor Information Form</i> to the ISI office at least two weeks before taking your first exam.				
Lesson	Projected Date for Completion	Date Submitted	Grade Received	Cumulative Point Totals
1				
2				
<b>It is time to make arrangements with your proctor to take Exam 1. (Covers Lessons 1, 2)</b>				
Exam 1				
3				
4				
<b>It is time to make arrangements with your proctor to take Exam 2. (Covers Lessons 3, 4)</b>				
Exam 2				
5				
6				
7				
<b>It is time to make arrangements with your proctor to take Exam 3. (Covers Lessons 5, 6, 7)</b>				
Exam 3				
8				
<b>It is time to make arrangements with your proctor to take Exam 4. (Covers Lesson 8)</b>				
Exam 4				
Term Paper				



## Lesson 1 An Overview of Physiological Psychology

### **Lesson Objectives**

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After completing this lesson you should understand/be able to:

- To gain an understanding of what Physiological Psychology is.
- To have an appreciation for some early players in Physiological Psychology.
- To be exposed to some careers in Physiological Psychology.
- To understand concepts used in Physiological Psychology.

### **Reading Assignment**

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- Carlson, Chapter 1, Pages 58-63
- Pinel, Chapter 2

### **Important Terms**

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Ablation	Dualism	Corpus Callosum
Evolution	Functionalism	Monism
Natural Selection	Reflex	Split-Brain

### **Introductory Lecture**

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This section provides an overview of Physiological Psychology. It also provides a general overview of issues that many physiological psychologists consider in understanding how the brain and behavior interact. Finally, it provides some general evolutionary information and migrations of early humans.

A second aspect to this section are basic terms that you will need to know throughout the course. There are no easy shortcuts to learning these concepts. It is purely memorization so start NOW!!!!

Finally, in this section you will need to begin memorizing the brain structures in Pinel.

Web Resources:

- <http://www.columbia.edu/cu/psychology/courses/1010/mangels/neuro/navigation/navigation.html>
- <https://www.msu.edu/~brains/brains/human/index.html>

### **Written Assignment**

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Before beginning the first written assignment, refer to your instructor's assignment requirements in BbLearn.

Submit a 1-2 page single spaced paper that answers the following questions:

- A. First, identify three major studies or ideas that have impacted our knowledge of the nervous system. Include the names of the major researchers/scientists that were associated with these studies.
- B. Then briefly explain the how the human brain differs from brains of other animals.
- C. What is the rate limiting variable for the size of an infant's skull at birth.

Make sure you properly reference and outside materials you use in the assignment.