

## Syllabus

### Course description

- Course:** Physiological Psychology  
PSYC 372 – 003
- Time:** Tuesday and Thursday 9:00am – 10:15am  
Fall semester 2006
- Location:** East Building 201
- Instructor:** Hadley C. Bergstrom ([hbergstr@gmu.edu](mailto:hbergstr@gmu.edu))
- Office hours:** Thursday 11:00am – 12:00pm, or by appointment  
DKH 2030 (Lab), Office phone: 703-993-1358  
(In DKH enter double doors (lab), turn left and take first right. My office is first door on your right.)

**Teaching assistant:** Daniel G. Ehlinger ([dehlinge@gmu.edu](mailto:dehlinge@gmu.edu))

**Required Text:** Kalat J.W. (2007) Biological Psychology, 9<sup>th</sup> Ed., Wadsworth Thompson  
Learning: Belmont, CA  
<http://www.campusstores.com/gmu/index.asp>

### Course objectives

- Introduce the field of neuroscience, including basic neuroanatomy, neural and synaptic transmission, neural mechanisms underlying normal and abnormal behavior, and biological mechanisms of drug action.
- Develop a foundation for the understanding of the central nervous system.
- Promote awareness of how brain function relates to behavior.

### Course requirements & grading

#### Exams and assignments:

- 1) There are a total of four exams. The exams will include multiple choice and fill-in-the-blank questions from lecture and the text. There will also be a *cumulative final exam*. The final exam will be in the same format as the exams. **There will be no make-up exams and no extra-credit.**
- 2) I will provide class time to finish a weekly assignment (usually Thursdays) that is due at the end of class. Assignments will usually consist of a work-sheet or project that relates to the lecture material and *consists of topics that will be on the exams*. Therefore, it is highly encouraged that you attend class and complete the assignment. In addition, it will be helpful to bring your textbook to class. You are allowed to drop two assignments, thus there will be no make-ups.

**Grading:**

**EXAMS** (3x20% each = 60%) + **ASSIGNMENTS** (10%) + **FINAL EXAM** (30%) = 100%

A+ = 97 – 100%	C+ = 77-79%
A = 93 – 96%	C = 73 – 76%
A- = 90 – 92%	C- = 70 – 72%
B+ = 87 – 89%	D = 60 – 69%
B = 83 – 86%	F = 0 – 59%
B- = 80 – 82%	

**Technology**

Class will be held in an Electronic Classroom and lectures are in PowerPoint format. Announcements and notes will be available on WebCT (Know your user name & password & make sure your browser is compatible; see <http://www.webct.com/tuneup>) the evening prior to each class.

**Special needs**

Every effort possible will be made to accommodate students with a disability or other special need. 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.

**Add/drop deadline**

Last day to add – September 12  
Last day to drop – September 29

**Honor code**

Students are reminded of the University honor code and are expected to adhere to the principles thereof.

**Tentative schedule\*:**

<b>Date</b>	<b>Chapter</b>	<b>Topic</b>
August 29	Module 1.1, 1.3 & 4.3	Introduction
August 31	Module 2.1 & pp. 39-41	Cells I
September 5	Module 2.2	Cells II
September 7	Module 3.1	Cellular communication I
September 12	Module 3.2	Cellular communication I
September 14	Module 4.1	Neuroanatomy
September 19	<b>Exam I</b>	<b>8/29-9/19</b>
September 21	Module 8.2	Movement
September 26	Module 5.1	Brain development
September 28	Module 5.2	Neural plasticity
October 3	Module 6.1	Visual system I
October 5	Module 6.2	Visual system II
October 10	<i>No class</i>	<i>President's day</i>
October 12	<b>Exam II</b>	<b>9/21-10/5</b>
October 17	<i>No class</i>	<i>SfN conference</i>
October 19	Module 7.1 & p. 205	Sensory systems I
October 24	Module 7.2 & 7.3	Sensory systems II
October 26	Module 13.1	Learning/memory I
October 31	Module 13.2	Learning/memory II
November 2	Module 9.1 & 9.2	Biological rhythms I
November 7	Module 9.3	Biological rhythms II
November 9	<b>Exam III</b>	<b>10/19-11/7</b>
November 14	Module 14.2	Language
November 16	Module 12.1 & 12.2	Emotion I
November 21	Module 12.3	Emotion II
November 23	<b>No class</b>	<b>Thanksgiving</b>
November 28	Module 15.3	Schizophrenia
November 30	Module 15.2	Mood
December 5	Module 3.3 & 15.1	Neuropharmacology
December 7		Special topic/review for final
December 12	<b>Final Exam</b>	<b>7:30-10:15am</b>

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