Psychology 304, CRN 1550
Biopsychology
Fall, 1991

Marvin Gordon-Lickey, Instructor
Jeanne Jackson, Teaching Assistant

MEETING TIME AND PLACE: 14:00-15:20, Tue and Thur, 207 CHA

IMPORTANT DATES:
Class exam: 10/22
Class exam: 11/14
Final exam: 1:00 pm, Fri, 12/13/91

REQUIRED TEXT:
Kimble, D. P. 1988. Biological Psychology

RESERVE READING:
Excerpts from Carlson, N. R. 1991. Physiology of Behavior (4th ed.). This material has been placed on reserve in the main library.

OFFICE HOURS:
Mr. Gordon-Lickey: Room 217 Huestis, ext. 64580, Tue 3:30 - 5:30 pm or call 64580 to make appointment
Ms. Jackson: Room 490 Straub, ext. 64964 ext 39, Tue 1:00-2:00 Th 3:30-4:30

EXAMS:
Exams will consist of multiple choice and short essay questions. There will be two class exams and a final. There will also be three unannounced, short essay, 15 minute class quizzes. Paper and answer sheets will be provided. Please have your own pencil.

GRADING:
The class exams contribute 25% each, the final 30%, and the quizzes 20% of the total grade. Students who submit less than 70% of the total work will be given F or N. Students who submit 70% or more of the total work may obtain an incomplete (I) upon request and if justified by the student's particular circumstances. In the absence of a request such students will receive a letter grade based on the total points earned on the work submitted.

LECTURE MEETINGS AND READING ASSIGNMENTS:
* = material found in reserve reading room at main library.

9/24/91 Mind, body; psychology, biology
Kimble, Chapter 1, and pp 26-29

9/26/91 How axons work
Kimble, Chapter 2: pp 29-49
*Carlson, N.R. 1991. Physiology of Behavior pp 32-44

10/1/91 How synapses work, Part 1
Kimble, Chapter 2: pp 49-61
*Carlson, N.R. 1988. pp 47-60

10/3/91	How synapses work, Part 2 No further reading
10/8/91	Drug action on synapses and behavior *Carlson, N.R. pp 67-72
10/10/91	Organization of the nervous system Kimble, Chapter 3
10/15/91	Development of the nervous system Kimble, Chapter 4
10/17/91	Sensory receptors and coding Kimble, Chapter 5: pp 124-144
10/22/91	**CLASS EXAM** covers all lectures and readings assigned through 10/15/91, 25% of term grade
10/24/91	Visual processing and perception Kimble, Chapter 5: 144-171
10/29/91	Movement Kimble, Chapter 7
10/31/91	Circadian rhythms of activity and sleep Kimble, Chapter 10
11/5/91	Homeostasis and hormone signals Kimble, Chapter 8
11/7/91	Hormone signals for action and development Kimble, Chapter 9
11/12/91	Anatomy of learning Kimble, Chapter 12
11/14/91	**CLASS EXAM** covers material assigned for 10/17/91 through 11/7/91, 25% of term grade
11/19/91	Physiology of learning *Carlson, 1988, pp 396-401
11/21/91	Speech, language, and hemispheric specialization Kimble, Chapters 13 and 14
11/26/91	Mental Illness I: Schizophrenia Kimble, Chapter 15
11/28/91	No class. Thanksgiving vacation
12/3/91	Mental Illness II: Mood Disorders
12/5/91	Mental Illness III: Anxiety Disorders
12/13/91	**FINAL EXAM**. 1:00 pm, Friday. Exam thoroughly covers the material assigned for 11/12 and thereafter, 30% of grade. The exam lightly covers the material assigned for 9/24 through 11/7.

Psychology 304, Biopsychology: Course objectives

Psychology 304, Biopsychology, covers basic principles of neural action and how these principles explain behavior and mental life. Phenomena discussed include communication within the body, psychoactive drugs, development, sensation, perception, movement, sleep, behavioral rhythms, appetite, sexual behavior, learning, language and mental illness. The course gives science group distribution credit as a stand alone course. There are no prerequisites, but high school physics or chemistry is strongly recommended as preparation. The course is appropriate as an elective for students majoring in any subject, except that Biology majors and pre-medical students are encouraged to take Psychol 445, Brain Mechanisms of Behavior, rather than Psychol 304. Psychol 304 prepares students to take all 400 level courses in Biopsychology. [12/13/91]