

PSYCHOLOGY 2750 (Section A2)
BRAIN AND BEHAVIOUR
Grande Prairie Regional College
Lecture 3 (3-0-0)
UT to all Alberta Universities
Fall 2002

SEP 19 2002

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Required Textbook: Biopsychology (5th Edition) by John P. Pinel

Optional Textbook: Study guide for Pinel's Biopsychology (5th Edition) by
Michael J. Mana and John P. Pinel

Prerequisites: Biology 30 or equivalent and PY 1040

Calendar Description: This course is an introduction to the neural basis of sensation, movement, learning, memory, motivation, and cognition as studied in both humans and animals.

Course Objectives: This course is an extensive review of the area of biological psychology. Students will gain an appreciation of the role the central nervous system plays in the control of physiological systems, psychological processes and behaviors. Students will develop critical and analytical thinking skills as well as learn how to write an APA format literature review paper.

Requirements: Evaluations will be based on three exams, a paper and one assignment as follows:

Library Assignment	5%	TBA	
Exam #1	20%	October 2	Chapters 1 - 5
Exam #2	25%	November 4	Chapters 6 - 10
Paper	20%	November 18	
Final Exam	30%	TBA	Chapters 11,13,14,16,18

Please note that the exam dates listed on this handout are tentative and are subject to change. For the final exam students must be available between December 9 and December 18. The date and time of the final exam will be announced by the Student Services Office. This information is also subject to change so students should continue checking the posted schedules as they are updated.

Exams will consist of multiple choice and written short answer and paragraph questions. Exams are not comprehensive. Normally requests to write a missed exam or a deferred exam will not be granted except under the most extreme of circumstances and then evidence must be provided to the instructor before a makeup exam can be arranged. Thus, students should ensure they will be available to write the scheduled exams.

Please bear in mind that exam marks are final. This means you cannot rewrite an exam because of a poor grade and there are NO written or extra assignments you can do to make up for a poor exam grade.

Cheating on an exam or any other form of academic misconduct is taken very seriously and is punishable in a variety of ways. For more information on student rights, responsibilities, code of conduct and the penalties that can be imposed please see pages 36 to 40 of the current college calendar.

The library assignment will be done individually following a library tour and information session on September 16 to show you how to use the PsychInfo and other systems for finding relevant articles and books for the paper.

The paper must cover an issue within the scope of Biological Psychology. Please meet with the instructor regarding your topic approval BEFORE you begin writing. The paper should be no more than 7 pages in length (typed and double-spaced). These seven pages would include a title page, abstract page and reference page with no more than four pages of written text. Papers must be stapled (not in duotang or other fancy cover) and written in APA format (5th edition). Papers generally should consist of at least five recent references (generally peer reviewed journal articles or book chapters) on a particular topic and your paper should strive to integrate and review the information in those references. You must also include after the reference page a photocopy of the title page of each reference you use in the paper. Sources not accompanied by a photocopy will be considered to be plagiarized and treated/graded accordingly. Spelling, grammar and sentence structure will also be graded. I will review APA format in class for those not familiar with it and provide you with a handout on APA style. Plagiarism will be treated with the same severity as cheating on examinations.

The assignment and the paper are due at the beginning of class on the due date assigned. Assignments and papers handed in after this time will receive 10% of its grade removed for each day it is late including weekend days.

Please be advised that a lack of planning on your part will not constitute an emergency on the instructor's part. For example, leaving all work on the paper to the last minute and then having a crisis arise will not get you an extension. Be aware that you may be asked to provide evidence of prior work but like with exams extensions will rarely be granted in lieu of the above late penalty.

Because lectures will not always cover the assigned readings your attendance is expected at all lectures including the library session and, if it can be arranged, a sheep brain dissection lab. Learning is an active process that will take effort on your part and so you will be expected to read in advance of class lectures, participate in activities and discussions in the classroom and communicate with the instructor when you encounter difficulties with course material. The instructor does NOT lend out lecture notes. Students are responsible for assigned textbook chapters as well as material covered in lectures.

It is expected that all students will display a professional attitude and behavior in the classroom. This includes reliability, respect for and cooperation with your fellow students, attention to fellow student's questions and the instructor's response, determination to achieve first-class work while meeting deadlines, and constructive response to criticism. Students unable to meet these expectations will be asked to leave the classroom in the interest of preserving the learning opportunities of other students.

NOTE: Any changes to the course outline will be made in consultation with the students during class time. Should you not be present in class when such a consultation is made it is your responsibility to acquire the changed information.

COURSE SCHEDULE:

SEPTEMBER 4 – SEPTEMBER 30

Biopsychology as a Neuroscience
Evolution, Genetics and Experience
Anatomy of the Nervous System
Neural conduction and synaptic transmission
Research methods of biopsychology

Chapters: 1, 2, 3, 4, 5
Assignments: Library assignment

OCTOBER 7 – OCTOBER 30

Visual system
Perception, conscious awareness, and attention
Sensorimotor system
Development of the nervous system
Brain damage and neuroplasticity

Chapters 6, 7, 8, 9, 10

NOVEMBER 6 - DECEMBER 4

Learning, memory and amnesia
Hormones and sex
Sleep, dreaming, and circadian rhythms
Lateralization, language and the split brain
Biopsychology of psychiatric disorders

Chapters: 11, 13, 14, 16, 18
Assignment: Paper

Grade Schedule:

9	90 – 100
8	80 – 89
7	72 - 79
6	65 - 71
5	57 - 64
4	50 – 56
3	45 – 49
2	26 – 44
1	0 – 25