

PSB 4324
Human Psychophysiology

Fall, 1999
Allan J. Nash

*Prerequisites: PSY1012 (General Psychology)
and PSB3002 (Biological Basis of Behavior)*

Text: Hugdahl, K. (1995). *Psychophysiology: The Mind-Body Perspective*.
Cambridge, MA. Harvard University Press.

SYLLABUS

<u>Topic</u>	<u>Text: Chapter (pages)</u>
1. Introduction/Overview	Ch. 1/Ch. 2
2. The Brain and the Nervous System Ch. 4 (63-73)*	Ch. 3
3. Electrodermal Activity Ch. 8	Ch. 6

EXAMINATION

4. Heart Activity (193-196)*	Ch.9 (167-184)*
5. Motor Activity and Eye-Movements	Ch. 14

EXAMINATION

6. Brain Activity - the Electroencephalogram	Ch. 11
7. Brain Activity - Event-Related Brain Potentials	Ch. 12

EXAMINATION

***NOTE THAT ONLY SELECTED PAGES FROM THIS CHAPTER HAVE BEEN ASSIGNED.**

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COURSE OBJECTIVES

This course is designed to introduce students to the study of human physiological responses that are associated with psychological states or processes. The physiological responses surveyed will include electrical activity of the brain (the EEG and Event-Related Potentials), electrical activity of muscles involved in motor activity, electrical activity of the skin, pupillary response, eye movements, heart rate and blood pressure. The psychological processes include orienting, attention, sensation, perception, learning, cognition and emotion.

COURSE POLICIES AND GENERAL INFORMATION

1. Students are responsible for all material presented in class as well as material covered in the assigned pages of the text. The examinations will emphasize topics and specific details that are covered in class. Some exam questions (between 10 and 20 percent of each exam) will be taken from assigned text material and may include topics that have not been discussed in class. Chapters 1 and 2 (Introduction/Overview) cover concepts and information that will be elaborated in later chapters but the exams will *not* include questions drawn from Chapters 1 and 2.
2. There will be three, closed book, multiple choice examinations that are non-cumulative in topical coverage. Dates for Exams 1 and 2 will be announced in class. Exam 3 will be given on the published date and time for final "exam week." The three exams will be *equally* weighted in determining the final grade. There will be no "extra-credit" options or second opportunities to make up for a low score on an examination. The final course grade of Incomplete (I) is never assigned in lieu of the letter grades of D or F.
3. Students who miss an exam for any reason must make arrangements for a make-up exam by the next class meeting following the missed exam. Arrangments for the make-up exam may be made by contacting the instructor in class or by phone: (561) 297 - 3305 or by e-mail (NashAJ@fau.edu). It is important to note that, in computing the final course grade, the letter grade earned on a make-up exam is limited to the highest letter grade earned on any of the regularly scheduled exams. For example, if the make-up exam grade was a B but the student had achieved no other (in-class) exam grade higher than a C, the make-up exam would count as a C (and not a B) in computing the final grade. On the other hand, if the make-up exam grade was a C and grades on the other regularly scheduled exams were A (or B or C), the make-up exam would count as a C in computing the final course grade.