

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
NEW COURSE PROPOSAL
PROGRAM AREA: PSYCHOLOGY

1. Catalog Description of the Course. [Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ___ units); time distribution (Lecture ___ hours, laboratory ___ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]

PSY 314 BEHAVIORAL NEUROSCIENCE (3)

Two hours lecture and two hours of laboratory per week

An introduction to the neurological and physiological factors related to cognition, emotion, language, learning, motivation, perception, and memory. A Topics include: neuroanatomy as well as the basic concepts of clinical neuropsychology and the effects of chemical signals on behavior, as well as the effect of behavior.

	Units:	Hrs/Unit	Benchmark Enrollment
2. Mode of Instruction: Lecture	2	1	25
Laboratory	1	2	25

3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary]

Required course for the Psychology major. This course is an in-depth survey of the major areas of physiological psychology. Students completing this course will be able to do the following:

Demonstrate an understanding of psychology in relation to natural sciences including biology, physiology, medicine, and neuroscience

Demonstrate knowledge and understanding of theory and research in the biological and physiological bases of behavior

Demonstrate knowledge and understanding of the contribution of animal research to our understanding of human behavior and brain physiology

Demonstrate understanding of APA guidelines for the ethical treatment of human and non-human participants involved in neuroscience research

Explain behavior using structural, chemical, and functional theories or models of the brain

4. Is this a General Education Course? If Yes, indicate GE category: No

5. Course Content in Outline Form

Introduction to Physiological Psychology
Historical Overview and Use of Animal Models
Organization of the Nervous System
The Neuron and Neuronal Communication
Neuroanatomy of Human Brain
Anatomical, Physiological, and Pharmacological Models
Memory and the Brain
Brain Disease, Damage and Repair
Chemical Signals - Hormones and Neurohormones
Emotion
Motivation
The Neurology of addiction
The Psychobiology of Sleep
Stress

6. References

Pinel, J.P.J. (2000). Biopsychology, 4th edition. Boston: Allyn & Bacon.

Klawans, H., (2001). Strange Behavior: Tales of Evolutionary Neurology. Norton & Co

Pinel J., & Edwards, M. (1998). A Colorful Introduction to the Anatomy of the Human Brain. Boston, MA: Allyn & Bacon.

Carlson, N.R. (2001). Physiology of Behavior. Boston, MA: Allyn and Bacon

7. Qualified Faculty Beatrice de Oca

	Fall Semester:	Spring Semester:	Summer Semester:
8. Frequency	No	Yes	No

9. New Resources Required: Psycho-Physiology Teaching Lab with CoursePaks

10. Consultation *Attach consultation sheet from all program areas, Library, and others (if necessary)*

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification

Proposer of Course: Kevin Volkan **Date:** Tuesday, January 07, 2003