

CATALOG INFORMATION

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Dept & Nbr: PSY 255 Title: INTRO TO PSYCHOBIOLOGY

Full Title: Introduction to Psychobiology

Units	Course Hours	Per Week	Nbr of Weeks	Course Hours	Total
Max: 3.0	Lecture	3.0	17	Lecture	51.0
Min: 3.0	Lab	0.0		Lab	0.0
	Contact DHR	0.0		Contact DHR	0.0
	Contact Total	3.0		Contact Total	51.0
	Non-contact DHR	0.0		Non-contact DHR	0.0

Title 5 Category: 01 AA Degree Applic
Grading: GC Credit course for grade or CR/NC
Repeatability: 00 No repeatability allowed or defined
Also listed as:

CATALOG DESCRIPTION:

Introduction to the physiological basis of behavior, with an emphasis on the nervous and endocrine systems and their relationship to human behavior. Topics include: sensation, perception, emotion, motivation, thinking, learning, memory, language development, and psychological disorders.

PREREQUISITES:

COREQUISITES:

RECOMMENDED PREPARATION:

Other advisories.

LIMITS ON ENROLLMENT:

SCHEDULE OF CLASSES INFORMATION:

Do you know why you behave the way you do or what controls your behavior? Through an investigation of basic physiological processes, this course addresses the "why" and "how" of human behavior. Topics include: perception, emotion, motivation, learning, memory, language development, psychological disorders, and much more. (Grade or CR/NC)
Transfer Credit: CSU; UC. (CAN PSY 10)

ARTICULATION and CERTIFICATE INFORMATION

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ASSOCIATE DEGREE: Effective: FALL 2004 Inactive:
Area: A NATURAL SCIENCES
CSU GE: Effective: SPRING 2004 Inactive:
Transfer area: B2 LIFE SCIENCE

IGETC: Effective: SPRING 2004 Inactive:
 Transfer area: 5B BIOLOGICAL SCIENCES

CSU TRANSFER: TRANSFERABLE Effective: FALL 2002 Inactive:

UC TRANSFER: TRANSFERABLE Effective: FALL 2002 Inactive:

CAN:
 PSY 10 Grp Nbr: 01 Effective: SPRING 2004 Inactive:

CERTIFICATE APPLICABLE: N NOT CERTIFICATE/MAJOR APPLICABLE

APPROVAL AND DATES

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Version 02 Submitted by: HOCK/INDERMILL Date: 02/10/2003
 Department approved: Date:
 Curriculum approved: 06/01/1981 Version approved: 02/19/2003
 Prerequisites approved: 06/01/1981 Last reviewed: 02/19/2003
 Term effective: FALL 2003 Last taught: FALL 2007 Inactive:

COURSE CONTENT

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OUTCOME AND OBJECTIVES:

1. Demonstrate an understanding of the functional anatomy of the central nervous system, the peripheral nervous system, and the endocrine system
2. Identify and explain the function of the neurotransmitters on human behavior.
3. Understand the affects of drugs on behavior.
4. Understand the affects of sensation and perception on behavior.
5. Understand human's motivation to have sex, sleep, eat and drink.
6. Demonstrate an understanding of the general pathology of specific psychological disorders.
7. Identify the portions of the brain used in language development, learning and memory.
8. Develop a position related to the ethics of biopsychological research.

TOPICS AND SCOPE:

Lecture

1. Central Nervous System
 - a. Structures
 - b. Functions
 - c. Development and Redevelopment
2. Peripheral Nervous System
 - a. Structures
 - b. Functions
3. Endocrine system
 - a. Structures
 - b. Functions
 - c. Affect on Behavior
4. Psychopharmacology
 - a. Neurotransmitters
 - b. Affect of drugs on neural conduction
 - 1] Illicit drugs
 - 2] Prescription drugs

- c. Substances-related disorders
- 5. Sensation and Perception
 - a. Vision
 - b. Auditory
 - c. Vestibular
 - d. Olfactory
 - e. Touch
- 6. Consciousness
 - a. Biological Rhythms
 - b. Sleep
- 7. Eating and Drinking
 - a. Neural and nonneural motivation
 - b. Regulation of body weight
 - c. Eating disorders
- 8. Sexuality
 - a. Sexuality
 - b. Orientation
 - c. Motivation for and processes of sexual activity
- 9. Emotion
 - a. Theoretical principles
 - b. Aggression
 - c. Stress
- 10. Language
 - a. Development
 - b. Lateralization
 - c. Communication disorders
- 11. Learning and Memory
 - a. Theoretical Models
 - b. Types of memory
 - c. Consolidation
- 12. Psychological disorders
 - a. Affective disorders
 - b. Schizophrenia
- 13. Historical Perspectives
- 14. Research
 - a. Ethics
 - b. Techniques/Methodology

ASSIGNMENTS:**READING ASSIGNMENTS:**

Students will be required to read the assigned lecture material that corresponds to each lecture. Supplemental readings may include: selected journal articles, research findings, media press releases (e.g., APA Monitor, Scientific American Psychology Today) and/or other publications and materials.

WRITING ASSIGNMENTS:

Students will write essays, complete midterms, and a final exam.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of two hours of independent work out of class for each hour. This work includes studying for midterms and final exams; completing essays; and preparing for upcoming lectures.

ASSIGNMENTS THAT DEMONSTRATE CRITICAL THINKING:

Students will apply, analyze, and demonstrate an understanding of the physiological principles addressed in lecture in their written work and exams.

METHOD OF INSTRUCTION:

METHODS OF EVALUATION:

1. At least 2 mid-term exams and a final exam. (40-60%)
2. At least 1 essay (30-50%)
3. In-class assignments (10-20%)

BASIS FOR GRADING:

The assignment of a grade is based on the level of achievement of the outcomes and objectives of the course outline and is reflected in quantifiable terms in the course syllabus.

REPRESENTATIVE TEXTBOOKS:

Biological Psychology, Klein, Prentice Hall; Biopsychology, Pinel, Allyn & Bacon, Inc. or something similar

REASON FOR REVISION

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RESOURCES REQUIRED

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MISCELLANEOUS

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Advisory generate desc:	N	NO
Area department:	PSY	PSYCHOLOGY
Audit flag:	N	NOT AUDITABLE
Basic skills:	X	NOT BASIC SKILLS
Classification:	A	Liberal Arts and Sciences
Cost level:	01	
Disciplines:		PSYCHOLOGY
Division:	02	MERIDITH RANDALL
Faculty service areas:		PSYCHOLOGY
Fee:	\$0.00	
In-service:	X	NOT IN-SERVICE
Level below transfer:	X	NOT APPLICABLE
Matric-requiring:	X	Exempt from assessment
Maximum class size:	0	
Maximum wait list:	0	
Method of instruction:	02	LECTURE
Non-credit category:	X	NOT APPLICABLE, CREDIT COURSE
Open entry/exit:	N	Not open entry/exit
Pacs activity:	2001	PSYCHOLOGY
Pacs program project:	0000	
Preq/coreq generate desc:	N	NO
Preq/coreq provisional:	N	NO
Preq/coreq reg check:	N	NO PREREQUISITE RULES EXIST
Repeat group id:		
Requires instructor sig:	N	INSTRUCTOR'S SIGNATURE NOT REQUIRED
SAM classification:	E	Non-occupational
Selected/special topic:	N	NOT A SELECTED TOPIC COURSE
Special class:	X	NOT A SPECIAL COURSE
TOP code:	2001.00	PSYCHOLOGY, GENERAL
Workload:	0.0000	