PSYC 115: NEUROSCIENCE

In Workflow

1. PSYC Committee Chair (penrodb@csus.edu)
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10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Wed, 11 Oct 2023 04:13:02 GMT
   Becky Penrod (penrodb): Approved for PSYC Committee Chair
2. Wed, 11 Oct 2023 23:33:21 GMT
   Rebecca Cameron (cameron): Approved for PSYC Chair
3. Wed, 25 Oct 2023 20:27:45 GMT
   Rachel Flamenbaum (flamenbaum): Approved for SSIS College Committee Chair
4. Thu, 26 Oct 2023 23:31:16 GMT
   Marya Endriga (mendriga): Approved for SSIS Dean
5. Wed, 01 Nov 2023 23:22:56 GMT
   Katie Hawke (katiedickson): Approved for Academic Services

Date Submitted: Thu, 18 May 2023 18:52:59 GMT

Viewing: PSYC 115 : Neuroscience

Last edit: Wed, 25 Oct 2023 20:00:52 GMT

Changes proposed by: Jeff Calton (101023464)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Jeffrey Calton	Calton@csus.edu	9162785607

Catalog Title:
Neuroscience

Class Schedule Title:
Neuroscience

Academic Group: (College)
SSIS - Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)
Psychology

Will this course be offered through the College of Continuing Education (CCE)?
No

Catalog Year Effective:
Spring 2024 (2023/2024 Catalog)

Subject Area: (prefix)
PSYC - Psychology

Catalog Number: (course number)
115

Course ID: (For administrative use only.)
159346

Units:
4

Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

In what term(s) will this course typically be offered?
Spring term only

Does this course require a room for its final exam?
Yes, final exam requires a room

This course complies with the credit hour policy:
Yes

Justification for course proposal:
This form is requesting four changes.
1. Changing the name of the course from "Introduction to Neuroscience" to "Neuroscience," and replacing the phrase "introduction to" with "coverage of" in the course description, to reflect that this is not an introductory course. Almost once a semester I have had a student tell me that they expected the course to be taught at a relatively lower level because of the title, when in fact the course has always been taught at an advanced level.

2. To discontinue cross-listing the course with BIO 115. BIO 115 has not been offered by Biological Sciences for over 10 years and the course no longer fulfills graduation requirements of Biological Science majors or minors. This course will be opened up to Bio majors and minors in case they still have an interest in taking it.

3. Allowing PSYC and BIO minors to enroll in the course (in addition to majors who are already permitted to enroll). This course counts towards the graduation requirement of PSYC minors and may be of interest to BIO minors. Because we are an impacted program, students outside of PSYC and BIO SCI are only permitted to enroll with permission from the instructor. We are also computer enforcing the pre-requisites.

4. Changing personal protective equipment to yes because of requirements of the lab component.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Coverage of the structure and function of the nervous system including neuroanatomy, neurophysiology, and systems neuroscience. Lectures and readings emphasize the empirical questions, techniques and methods used in neuroscience research. Laboratory activities focus on nervous system structure and some of the specialized techniques used within the fields of cellular, systems, and behavioral neuroscience. Lecture-discussion three hours; laboratory three hours.

Are one or more field trips required with this course?
No

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
Yes

Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)
This course requires personal protective equipment (PPE).

Does this course have prerequisites?
Yes

Prerequisite:
Required: PSYC major, PSYC minor, BIO major, or BIO minor; Required: PSYC 2 and PSYC 8; Recommended: PSYC 9.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
No Approval Required

Course Component(s) and Classification(s):
Discussion
Laboratory

Discussion Classification
CS#04 - Lecture /Recitation (K-factor=1 WTU per unit)
Discussion Units
3

Laboratory Classification
CS#16 - Science Laboratory (K-factor=2 WTU per unit)
Laboratory Units
1

Is this a paired course?
No

Is this course crosslisted?
No

Can this course be repeated for credit?
No

Can the course be taken for credit more than once during the same term?
No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Categorize the anatomy and function of the major components of the mammalian nervous system.	Laboratory practical, examinations
2	Describe internal physiological processes of neurons that enable neural communication.	Examinations, lab reports.
3	Utilize the tools and techniques involved in electrophysiological recordings of nervous system activity.	Lab reports
4	Differentiate the roles of the major neurotransmitter systems in nervous system functioning.	Examinations
5	Critique and contrast current theories of the neurophysiological basis of learning and memory.	Examinations, lab reports

6	Compare the neurophysiology and anatomy of the different motor and somatosensory systems of the nervous system.	Lab practical, examinations
7	Explain the physiological processes of neuroendocrine regulation.	Examinations.

Attach a list of the required/recommended course readings and activities:

Psych 115 Syllabus.doc

Is this course required in a degree program (major, minor, graduate degree, certificate?)

No

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Biological Sciences

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Reviewer Comments:

Rebecca Cameron (cameron) (Wed, 11 Oct 2023 23:26:45 GMT): Under prereqs, there should be a semicolon instead of a comma after PSYC 8.

Rebecca Cameron (cameron) (Wed, 11 Oct 2023 23:29:14 GMT): Intent of pre-reqs statement is: Required: PSYC major OR PSYC minor OR BIO major OR Bio minor AND Required: PSYC 2 and PSYC 8 Recommended: PSYC 9

Key: 3974