# ENGR 50P: PEER-ASSISTED LEARNING ENGR 50

## In Workflow

1. ECS College Committee Chair (mohammed.eltayeb@csus.edu)
2. ECS Dean (arad@csus.edu)
3. Academic Services (torsetj@csus.edu; cnewsome@skymail.csus.edu)
4. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
5. Dean of Undergraduate (james.german@csus.edu; celena.showers@csus.edu)
6. Dean of Graduate (cnewsome@skymail.csus.edu)
7. Catalog Editor (torsetj@csus.edu)
8. Registrar's Office (wlindsey@csus.edu)
9. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Fri, 03 Sep 2021 17:18:36 GMT
   Gareth Figgess (figgess): Approved for ECS College Committee Chair
2. Fri, 03 Sep 2021 19:30:40 GMT
   Behnam Arad (arad): Approved for ECS Dean

## New Course Proposal

Date Submitted: Tue, 03 Aug 2021 21:23:38 GMT

### Viewing: ENGR 50P : Peer-Assisted Learning ENGR 50

### Last edit: Tue, 03 Aug 2021 21:23:36 GMT

Changes proposed by: Julie Fogarty (218645519)

**Contact(s):**

| Name (First Last) | Email | Phone 999-999-9999 |
|---|---|---|
| Julie Fogarty | fogarty@csus.edu | 916-278-7335 |

**Catalog Title:**
Peer-Assisted Learning ENGR 50

**Class Schedule Title:**
Peer-Assisted Learning ENGR 50

**Academic Group: (College)**
ECS - Engineering & Computer Science

**Academic Organization: (Department)**
Engineering

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

**Catalog Year Effective:**
Fall 2022 (2022/2023 Catalog)

**Subject Area: (prefix)**
ENGR - Engineering

**Catalog Number: (course number)**
50P

**Course ID: (For administrative use only.)**
203546

**Units:**
1

**In what term(s) will this course typically be offered?**
Fall, Spring

**Does this course require a room for its final exam?**

No, final exam does not require a room

**Does this course replace an existing experimental course?**

No

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

The addition of this course expands the ECS Peer-Assisted Learning program to other courses within the college that have high DFW rates. Facilitators for this course (undergraduate students who have already completed ENGR 50 successfully) are currently supported by a National Science Foundation grant.

**Course Description: (Not to exceed 80 words and language should conform to catalog copy.)**

Students concurrently enrolled in ENGR 50 work through faculty-designed problems sets under the guidance of a trained student facilitator to improve their understanding of ENGR 50 content. Pedagogical strategies that encourage active, engaged learning are employed to facilitate student success. Discussion, 2 hours.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Does this course require safety training?**

No

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

No

**Does this course have prerequisites?**

No

**Does this course have corequisites?**

Yes

**Corequisite:**

ENGR 50

**Corequisites Enforced at Registration?**

No

**Graded:**

Credit / No Credit

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Activity

**Activity Classification**

CS#77 - Peer-taught Course, ROTC or Non-Workload Instruction which is not state supported (no WTU generated)

**Activity Units**

1

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

Yes

**How many times can the course be taken (not including first time passed)?**

2

**Total credits allowed (including first time passed)**

3

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."**

Students will be able to
1) Work collaboratively with others to find solutions to challenging problems in computational methods
2) Recognize effective strategies for learning computational methods
3) Assume greater responsibility for their own success in computational methods

**Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.**

Students will complete surveys about their own approach and attitudes towards learning computational methods (pre and post) [ELO #3]
Students enrolled in PALs will be evaluated by PAL Facilitators regarding their approach to problems [ELO #2]
Attendance and participation of all enrolled students will be tracked by PAL facilitators and the instructor [ELO #1]

**For whom is this course being developed?**

Majors in the Dept
Majors of other Depts

**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?**

No

**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
Knowledge of human cultures and the physical and natural world
Integrative learning
Personal and social responsibility
Intellectual and practical skills

**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

**Please attach any additional files not requested above:**
ENGR 50P Syllabus.pdf

Key: 14543