

CPE 201: RESEARCH METHODOLOGY

In Workflow

1. EEE Committee Chair (pheedley@csus.edu)
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3. ECS College Committee Chair (figgess@csus.edu)
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12. Registrar's Office (w lindsey@csus.edu)
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Approval Path

1. Sat, 09 May 2020 00:01:06 GMT
Mahyar Zarghami (mahyar.zarghami): Approved for EEE Committee Chair
2. Thu, 28 May 2020 21:08:03 GMT
Fethi Belkhouche (fbelkhou): Approved for EEE Chair
3. Fri, 18 Sep 2020 03:32:13 GMT
Gareth Figgess (figgess): Rollback to Initiator
4. Sat, 03 Oct 2020 00:50:29 GMT
Perry Heedley (pheedley): Approved for EEE Committee Chair
5. Sat, 03 Oct 2020 02:55:32 GMT
Mahyar Zarghami (mahyar.zarghami): Approved for EEE Chair
6. Fri, 23 Oct 2020 17:45:59 GMT
Gareth Figgess (figgess): Approved for ECS College Committee Chair
7. Fri, 23 Oct 2020 17:53:19 GMT
Kevan Shafizadeh (kevan): Approved for ECS Dean

Date Submitted: Sat, 03 Oct 2020 00:41:30 GMT

Viewing: CPE 201 : Research Methodology

Last edit: Sat, 03 Oct 2020 00:41:29 GMT

Changes proposed by: Praveen Meduri (219708594)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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Catalog Title:

Research Methodology

Class Schedule Title:

Research Methodology

Academic Group: (College)

ECS - Engineering & Computer Science

Academic Organization: (Department)

Electrical and Electronic Engineering

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Fall 2021 (2021/2022 Catalog)

Subject Area: (prefix)

CPE - Computer Engineering

Catalog Number: (course number)

201

Course ID: (For administrative use only.)

110726

Units:

2

Changes to a course's units impact any related programs. As a result, a corresponding change must also be submitted for those programs

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

Fall, Spring

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

Expanding the current course to meet the new GWI requirements.

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

Immersion in the discourse of Computer Engineering: genres, literacies, stylistic conventions, research methodology. Collective and individual study of selected issues and problems relating to fields of study in Computer Engineering. Orientation to the requirements for the master's degree culminating experience.

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

Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)

Must be taken in the first semester of the graduate program.

Does this course have prerequisites?

Yes

Prerequisite:

Graduate standing or instructor permission.

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Credit / No Credit

Approval required for enrollment?

No Approval Required

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

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

Laboratory Units

1

Seminar Classification

CS#05 - Seminar (K-factor=1 WTU per unit)

Seminar Units

1

Is this a paired course?

No

Is this course crosslisted?

Yes

Do they meet together and fulfill the same requirement?

Yes

Please identify the crosslisted course:

EEE 201

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: Describe outcomes using the following format: 'Students will be able to: 1), 2), etc.'

Expected Learning Outcomes (EOs):

1. Apply the major research and/or professional conventions, practices, and methods of inquiry in Computer Engineering;
2. Apply the major formats, genres, and styles of writing used in Computer Engineering;
3. Demonstrate effective written communication skills within the discipline of Computer Engineering;
4. Utilize reading and writing as a learning process that involves peer and instructor feedback, revision, critical reflection, and self-editing;
5. Decide on their area of study and culminating experience.

Attach a list of the required/recommended course readings and activities:CPE_201_syllabus_2020.pdf
CpE201_Schedule.pdf**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 write a minimum of 5000 words or 20 double-spaced pages of discourse. At least one assignment must be a minimum of 5 pages or 1250 words. The tentative distribution of the writing load is as follows:

- o Weekly log: 75 words/week x 15 weeks = 1125 words (EO 5)
- o Review of invited faculty talks: 100 words x 4 = 400 words (EO 3)
- o Summary and critique of reviewed papers = 400 words (EO 1)
- o Project 1: Selection of project topic in student's area- 10 minute presentation = 300 words (EO 5)
- o Annotated Bibliography of reviewed papers for Project 1 = 300 words (EO 2)
- o Project 2: Research proposal based on project topic selected in Project 1 = 800 words (EO 4)

- o Project 3: Final project report based on project topic selected in Project 1 = 1250 words (5 pages) (EO 2)
- o Project 4: Technical paper based on Project 3 = 500 words (EO 1, 2, 3, 4)

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

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:

Programs:

MS in Computer Engineering

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)

Electrical and Electronic Engineering

Computer Science

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

Graduate (Masters) Learning Goals:

Critical thinking/analysis
Communication
Information literacy
Professionalism
Research (optional)

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

Is this a Graduate Writing Intensive (GWI) course?

Yes

Please attach any additional files not requested above:

GWI Course Change Instructions_FilledOut.pdf

Reviewer Comments:

Gareth Figgess (figgess) (Fri, 18 Sep 2020 03:32:13 GMT): Rollback: Per emailed comments

Key: 874