

EEE 201: RESEARCH METHODOLOGY

In Workflow

1. EEE Committee Chair (pheedley@csus.edu)
2. EEE Chair (mahyar.zarghami@csus.edu)
3. ECS College Committee Chair (figgess@csus.edu)
4. ECS Dean (kevan@csus.edu)
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7. Writing and Reading Subcommittee Chair (Writing%20and%20Reading%20Subcommittee%20Chair@csus.edu)
8. Grad Studies Policies Committee Chair (anne.lindsay@csus.edu)
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11. Catalog Editor (torsetj@csus.edu)
12. Registrar's Office (w lindsey@csus.edu)
13. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Sat, 02 May 2020 01:41:07 GMT
Mahyar Zarghami (mahyar.zarghami): Approved for EEE Committee Chair
2. Sat, 02 May 2020 16:38:13 GMT
Fethi Belkhouche (fbelkhou): Approved for EEE Chair
3. Fri, 18 Sep 2020 03:31:34 GMT
Gareth Figgess (figgess): Rollback to Initiator
4. Mon, 28 Sep 2020 21:38:37 GMT
Perry Heedley (pheedley): Rollback to Initiator
5. Mon, 28 Sep 2020 23:13:04 GMT
Perry Heedley (pheedley): Rollback to Initiator
6. Tue, 29 Sep 2020 19:11:35 GMT
Perry Heedley (pheedley): Rollback to Initiator
7. Wed, 30 Sep 2020 16:03:56 GMT
Perry Heedley (pheedley): Approved for EEE Committee Chair
8. Wed, 30 Sep 2020 16:10:41 GMT
Mahyar Zarghami (mahyar.zarghami): Approved for EEE Chair
9. Fri, 23 Oct 2020 17:41:31 GMT
Gareth Figgess (figgess): Approved for ECS College Committee Chair
10. Fri, 23 Oct 2020 17:49:20 GMT
Kevan Shafizadeh (kevan): Approved for ECS Dean

Date Submitted: Tue, 29 Sep 2020 20:29:27 GMT

Viewing: EEE 201 : Research Methodology

Last edit: Fri, 23 Oct 2020 17:31:29 GMT

Changes proposed by: Preetham Kumar (101070303)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Preetham B. Kumar	sac42453@csus.edu	916-278-7949

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)

EEE - Electrical and Electronic Engineering

Catalog Number: (course number)

201

Course ID: (For administrative use only.)

127311

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 Electrical and Electronic Engineering: genres, literacies, stylistic conventions, research methodology. Collective and individual study of selected issues and problems relating to fields of study in Electrical and Electronic 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:

CpE 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.'

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

Attach a list of the required/recommended course readings and activities:EEE_201_abet_syllabus_2020.pdf
EEE201_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 Electrical and Electronic 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)

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 the GWI Course Approval Request form:

GWI_Course_Change_Instructions_FilledOut.pdf

Reviewer Comments:

Gareth Figgess (figgess) (Fri, 18 Sep 2020 03:31:34 GMT): Rollback: Per emailed comments

Perry Heedley (pheedley) (Mon, 28 Sep 2020 21:38:38 GMT): Rollback: Please make the changes requested by Warren Smith in his email dated 9/28.

Perry Heedley (pheedley) (Mon, 28 Sep 2020 23:13:04 GMT): Rollback: Please make the additional changes requested by Warren in his latest email, dated 9/28 at 4:10pm.

Perry Heedley (pheedley) (Tue, 29 Sep 2020 19:11:35 GMT): Rollback: Make additional changes, as per Warren Smith's email dated 9/29

Key: 1727