EEE 500: CULMINATING EXPERIENCE

In Workflow

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Approval Path

1. Fri, 22 Oct 2021 22:10:43 GMT
   Perry Heedley (pheedley): Approved for EEE Committee Chair
2. Sat, 30 Oct 2021 18:03:33 GMT
   Mahyar Zarghami (mahyar.zarghami): Approved for EEE Chair
3. Fri, 03 Dec 2021 17:59:16 GMT
   Mohammed Eltayeb (mohammed.eltayeb): Approved for ECS College Committee Chair
4. Fri, 03 Dec 2021 18:42:42 GMT
   Behnam Arad (arad): Approved for ECS Dean

Date Submitted: Mon, 04 Oct 2021 19:54:11 GMT

Viewing: EEE 500 : Culminating Experience

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Changes proposed by: Preetham Kumar (101070303)

Contact(s):

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Catalog Title:
Culminating Experience

Class Schedule Title:
Culminating Experience

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 2022 (2022/2023 Catalog)

Subject Area: (prefix)
EEE - Electrical and Electronic Engineering

Catalog Number: (course number)
500

Course ID: (For administrative use only.)
127636

Units:
0-5

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

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

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 (Last Class)

Does this course replace an existing experimental course?
No

This course complies with the credit hour policy:
Yes

Justification for course proposal:
To correct/complete details in the EEE 500: Thesis/Project and Comprehensive exam culminating experience.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Completion of a thesis, project or comprehensive examination. Credit given upon successful completion of one of the following plans: Plan A: Master's Thesis, 5 units; Plan B: Master's Project, 2 units; or Plan C: Comprehensive Examination, 0 units.

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?
Yes

Prerequisite:
Advanced to candidacy and approval of the graduate coordinator.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Thesis in Progress

Approval required for enrollment?
Department Approval

Course Component(s) and Classification(s):
Thesis Research

Thesis Research Classification

S3/CS#25 - Practice Teaching/Workstudy/Thesis Project/Independent Study (S-factor=.5 WTU per student enrolled)

Thesis Research Units

0-5

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

Students will be able to:

1) Compare and contrast alternative engineering solutions
2) Design and implement engineering solutions

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.

Plan A: Thesis: Written report and Oral defense
Plan B: Project: Written report
Plan C: Comprehensive exam: Satisfactory exam performance with passing grade of 70% or higher

Students with excellent performance in Thesis/Project/Exam will be recommended for M.S. with Distinction with the following requirements:

Thesis: Recommendation letter by Thesis adviser and overall program GPA of 3.8 or higher
Project: Recommendation letter by Project adviser and overall program GPA of 3.8 or higher
Comprehensive exam: Exam score of 90 or higher and overall program GPA of 3.8 or higher

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?

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

Graduate (Masters) Learning Goals:

Critical thinking/analysis
Communication
Disciplinary knowledge

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?
No

Key: 1775