

Graduate Program, Electrical Engineering Department, SJSU
EE 299A, Master's Thesis Syllabus
[Rev 2007 NOV 05]

Course Description:

This course is the first part of the EE 299A, EE 297B Master's Thesis series, culminating the work for the MSEE degree. An application for registration, writing an approved Master's Thesis Proposal, graduate seminar participation, and proposal presentation are required.

Units: 3 Grading: CR/NC

Registration Requirements:

The requirements to register for EE299A are: Graduate Standing (admission to candidacy for MSEE degree after completing the core courses and satisfying the competency in written English). The application for EE299A registration must be completed. The application requires that you have an advisor who approves the topic for your Master's Thesis. This application for registration is available on the department's website, and after approval by the advisor, must be submitted to the EE Department Office to obtain the add code. The student is required to use the add code to register for the course.

Course Requirements:

1. Graduate Seminar

Students registering for EE299A must complete the graduate seminar requirement by attending the graduate seminar and obtaining instructor's approval. This must be done during the semester the student is registered for the course. The fact that this requirement has been met must be recorded on the Master's Thesis Approval Form which needs to be submitted later with the finalized Master's Thesis Report in EE 299B.

2. Written Master's Thesis Proposal

A proposal, written under the supervision of the Thesis Committee, consisting of three faculty members, must be submitted and presented, (see *3. Thesis Proposal Presentation below*) before the end of the semester in which the student is registered for EE299A. The main advisor from the Thesis Committee will serve as the Committee Chair. (The guidelines for writing the proposal are available on department's website). In general, the proposal should describe the problem being addressed, motivation to consider the problem, the approach that will be taken to solve the problem, and the expected results. The proposal must be approved by the Committee Chair and its members, and submitted to the EE Department Office for review by the Graduate Coordinator and/or the Graduate Committee.

The fact that this requirement has been met must be recorded on the Master's Thesis Approval Form that needs to be submitted with the finalized Master's Thesis Report in EE 299B on completing all the Thesis requirements.

3. Presentation of Master's Thesis Proposal

The Master's Thesis proposal must be presented in class, to student peers, faculty, including your Thesis Committee, during a prescheduled seminar class session, using Power Point. This presentation must have had prior Thesis Committee input and review.

All requirements for EE299 must be completed within three semesters from the time of registration unless a special extension has been obtained from the university.

Graduate Program Outcomes (GPO):

1. Students will be able to base analysis, problem solving and design in their area of concentration in their graduate program.
2. Students will be able to develop deeper understanding of an area of concentration in their graduate program.
3. Students will be able to apply modern tools for computations, simulations, analysis, and design.
4. Students will be able to communicate engineering results effectively.

Course Learning Objectives (CLO):

- a. Ability to formulate a proposal for the Master's Thesis; [GPO 2-4]
- b. Ability to present/defend the proposal in the presence of student peers and faculty; [GPO 4]
- c. Ability to understand an area of concentration in their grad program; [GPO 1-3]
- d. Ability to give technical feedback to graduate student peers [GPO 4]

Evaluation:

Grading is based on participation in the Graduate Seminar, the quality and completeness of the proposal, proposal presentation and it's defense during presentation, and the finalized Written Master's Proposal.

Policy on Academic Integrity:

See the SJSU POLICY ON ACADEMIC INTEGRITY
([Http://www2.sjsu.edu/senate/S04-12.pdf](http://www2.sjsu.edu/senate/S04-12.pdf)).

Right to Privacy:

Faculty will not knowingly reveal student's performance, ID, or contact information, except with the limits of University policy.

Student with Disability:

A student with a disability requiring accommodation should see the MSEE Thesis Committee Chair well before an scheduled event. The Committee Chair will make every effort to accommodate student's needs within the norms of the University policy.

Graduate Program, Electrical Engineering Department, SJSU
EE 299A Master's Thesis Approval Form
[Rev. 2007 NOV 05]

NAME _____ STUDENT ID _____

Instructions:

Keep this form as a record of approvals as you complete various steps of your Master's Thesis . You will be required to submit this form with your final approved project report at the completion of EE299B.

Registration Requirements

Semester of Registration :EE 299A _____ EE 299B _____

Project Title _____

Thesis Committee: _____, _____ (Chair)

_____, _____

_____, _____

Thesis Committee Chair's Approval _____, _____

Seminar Requirements, EE 299A

Seminar Instructor _____

Completion Date _____

Instructor's Approval _____, _____

Proposal Requirements, EE 299A

Completion Date Incl. Presentation _____

Thesis Committee's Approval : _____, _____ (Chair)

_____, _____

_____, _____

Defense Requirements, EE 299B

Completion Date _____

Thesis Committee Approval: _____, _____ (Chair)

_____, _____

_____, _____

Report Requirements, EE 299B

Completion Date incl. www.TurnItIn.com _____

Thesis Committee's Approval _____, _____ (Chair)

_____, _____

_____, _____

Graduate Coordinator's Approval _____, _____