Special Problems

School of Electrical and Computer Engineering
Georgia Institute of Technology

Instructor: Linda Milor
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Meeting Pattern: Individual research meetings arranged with advisor

Catalog Description

ECE 8900 is a supervised special-problems course intended for individualized study or research. The specific topic, scope of work, and expected outcomes are determined jointly by the instructor and the student. Typical activities may include literature review, theory development, simulation, experimental work, design, implementation, data analysis, and technical writing.

Learning Objectives

- Develop a working knowledge of the selected technical topic through directed reading and discussion.
- Formulate a clear problem statement or research objective.
- Apply appropriate methods, such as analysis, simulation, experiment, design, or implementation.
- Communicate progress and results in written and/or oral form.
- Demonstrate independent initiative, technical judgement, and professional research conduct.

Expectations and Scope of Work

- Meet with the instructor on a regular schedule agreed at the start of the semester.
- Complete assigned readings, preparatory work, and intermediate milestones on time.
- Maintain organized notes, code, simulation files, data, and references as appropriate.
- Provide periodic progress updates in the format specified by the instructor.
- Submit final deliverables by the end of the term.

Assessment

This course is evaluated based on the quality, completeness, and professionalism of the agreed scope of work.

Policies

- Communication: Students are expected to monitor Georgia Tech email regularly.
- Attendance: Because this is a special-problems course, attendance expectations should be defined in terms of scheduled meetings, responsiveness, and progress.
- Academic integrity: Students must comply with Georgia Tech policies on academic honesty, responsible conduct of research, authorship, citation, data management, and lab safety. Any use of shared data, software, equipment, or collaborative results must be properly documented and approved by the advisor.