Fourier Techniques & Signal Analysis

Course Information

Instructor: David Citrin (david.citrin@ece.gatech.edu)
Course Prefix and Number: ECE 6500 Q
Term: Fall 2026

Course Description

This course provides academic credit for the course ECE 6500 Fourier Techniques & Signal Analysis. The scope and direction of research are determined by the description in the course catalog.

Course Learning Outcomes

By enrolling in this course, students will:

1. Attend the lectures.
2. Master material related to the course description.
3. Demonstrate that mastery through possible written and oral assessments.

Required Course Materials

No textbooks or materials are required. Resources will be posted on Canvas.

Grading Policy

This course is graded on an A, B, C, D, F basis.

- A grade of **A** indicates that the student has a curved numerical grade for the course ≥ 90%.
- A grade of **B** indicates that the student has a curved numerical grade for the course ≥ 80% but < 90%.
- A grade of **C** indicates that the student has a curved numerical grade for the course ≥ 70% but <80%.
- A grade of **D** indicates that the student has a curved numerical grade for the course ≥ 65% but < 70%.

- A grade of **F** indicates that the student has a curved numerical grade for the course < 65%.

Attendance Policy

Students are advised to attend lectures.

Academic and Research Honesty/Integrity Statement

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review the Student Code of Conduct and the Academic Honor Code, especially Appendix A:Graduate Addendum to the Academic Honor Code.

Students are expected to perform research in an ethical and responsible manner. All Doctoral and Master's Thesis students are required to take the Responsible Conduct of Research training, and it is expected that students abide by the principles taught in that training while performing research for this thesis course.

Allegations of scientific or scholarly misconduct are handled in accordance with the procedures outlined by the Policy for Responding to Allegations of Scientific or Other Scholarly Misconduct.

Core IMPACTS

Not applicable.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Expectations of Advisors and Advisees

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. The Expectations of Advisors and Advisees articulates some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.