

Seminar Mechanical Engineering

Course Information

Course Prefix and Number: ME/NRE7757

Instructor Name: Professor Andrei G. Fedorov (andrei.fedorov@me.gatech.edu)

Term: Fall 2026

Course Description

This course is for graduate students to complete the teaching practicum requirement for PhD degree in Mechanical Engineering, Nuclear and Radiological Engineering, and Medical Physics.

Course Learning Outcomes

By enrolling in this course, students will:

1. Gain experience in pedagogy and classroom teaching
2. Develop technical communication and presentation skills

Required Course Materials

No textbooks or materials are required.

Grading Policy

This course is taken on a Pass/Fail basis. To achieve the passing grade, the student must satisfactorily complete the semester project and mid-semester and final course assignments.

Attendance Policy

Attendance of weekly class meetings is required. If you need to miss a class for an excusable reason (e.g., attendance of a conference or selected other professional obligations, health or personal emergency), you need to request permission of the instructor in advance, or as soon as feasible in case of an emergency event. As makeup for any class, you must miss (with permission), please set up an interview/recap with one or more of your classmates,

watch a relevant archived class video recording (if available – see last page of the syllabus), and submit to the course instructor a single paragraph summary of the key personal learnings of the lecture discussion you missed. It is expected that you will be actively engaged in the discussions throughout the semester.

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.

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.

Student-Faculty Expectations Agreement

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 [Student-Faculty Expectations](#) articulate 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.

