

ECE 2001 A/ECE 8001 A: ECE Seminar

(In-person attendance required for in-person meetings)

Catalog Description: ECE speakers with diverse backgrounds and representing many different industries, professions, and institutions describe their experiences, entrepreneurial ventures, and career challenges.

Prerequisites: For ECE 2001: Sophomore standing; For ECE 8001: Graduate Standing

Course Outcomes: Upon successful completion of this course, students should be able to:

- Demonstrate ability to critically evaluate professional engineering presentations.
- Demonstrate an understanding of the diversity of the modern engineering workforce and the diversity of roles engineers play in the modern work environment.

ECE 2002 is a primary contributor to EE and CmpE ABET Student Outcome 4: An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Instructor: Prof. Gregory D. Durgin
Email: durgin@gatech.edu, Van Leer 507
Office Hours: **TBD**

Grading:

This seminar course is Pass/Fail. There are 14 class meeting days. To pass the course, you must attend (in-person for in-person speakers or live through Microsoft Teams for remote speakers, except for first class meeting) at least 12 lectures *and* you must receive at least 70% grade on at least 12 of the speaker evaluations. **If you enroll in the class after the first class meeting, you must view the recording of the first class meeting and turn in your speaker evaluation for the first speaker by the following Sunday, 12:30pm.** If you turn in a passing speaker evaluation for the first speaker, you will receive attendance credit for that first class.

The speaker evaluation must contain between 200 and 300 words. If your evaluation has X words, such that $X < 200$, your maximum grade is $100 * X / 200$. **If $X > 300$, then your maximum grade is $100 + 100 * (300 - X) / 300$.** The evaluation comprises three paragraphs, as described below, and is graded based on 100 points total: 80 pts for content and 20 pts for spelling, grammar and composition. You must abide by the three-paragraph format. The breakdown of the 80 content points by paragraph is:

Summary of key points (45 pts)

What was best (25 pts)

What could be improved (10 pts)

If any assignment tests positive for likely generative AI usage, it will receive a score of 0.

Course Format:

Some of the speakers will be in-person and some will be remote. The schedule published in Canvas shows which speakers will be remote and which will be in-person. When the speaker is in-person, all students must bring their buzzcard to electronically register their attendance. When the speaker is remote, all students must attend live via Teams (that is, synchronously) using the link in the schedule on Canvas. All students are encouraged to ask questions in the Q&A period after the speaker finishes their presentation. If the speaker is remote, please ask questions using your audio and video. Some virtual meetings will be recorded and posted. Whether the speaker is in-person or remote, students are strongly encouraged to be on time and take notes during the talks, to enable a good-quality evaluation.

Speaker Evaluations:

With the exception of the first speaker, a 200-word evaluation for each speaker will be due in Canvas by 12:30pm on the day following (i.e., about noon on Tuesday) after the speaker's talk. The evaluation should have three paragraphs: 1. summarize the **key points** the speaker made (do not just give the generic section headings of the talk, e.g., "gave career advice", but summarize what the career advice was). Points may be deducted if you do not include an important key point in your evaluation. 2. Write what you liked best about the talk, 3. Write what could be improved (**this is required**; not OK to write, "The talk was so good, there are no suggestions for improvement."). **Writing more than 300 words will be penalized by 0.2 pts per word over 300.** I share selected quotes from your speaker evaluations with the speakers as feedback. Copying another student's evaluation is not allowed. If plagiarism is detected, all students involved will receive 0 credit for the evaluation and the students will be referred to the Office of Student Integrity.

Schedule:

The speaker schedule will be posted in Canvas.

Late and Missed Assignments Policy

Class begins promptly at 12:30pm and arriving late is a distraction to the speaker and the other students. To discourage late arrivals, a student will be marked absent if they arrive to class more than 5 minutes late, whether virtual or in-person (FIRM REQUIREMENT).

Late evaluations are accepted up to 24 hours after the due time (12:30pm Wednesday, except for first speaker) at a 25% markdown. Therefore, a late evaluation must be very well done to make the 70% grade cut-off for a "pass," since the highest possible score it can have is 75%.

Because the first week is drop/add, the student is automatically assumed to be present if they submit a passing speaker evaluation by the due date.

If a student fails to attend at least 12 talks in the scheduled meeting period and score at least 70% on at least 12 speaker evaluations, to pass, the student must view one or two recorded seminars from past speakers provided by Dr. Weitnauer and write a passing (at least 70% score) 500-word report. Specifically, the student must score at least 70% on a number of in-depth (500-word) reports equal to 12 minus the number of attended talks or 12 minus the number of passing speaker evaluations, whichever is greater. **However, no more than two 500-word reports will be accepted; this means that a student must not miss more than four talks or more than four speaker evaluations to have a chance to pass the course.** For each report, the first 200 words follow the same format as the usual speaker evaluations **and the next 300 words must be original research** *in your own words* about the topic of the talk. Your text will be tested for plagiarism (i.e., cutting and pasting from other's writings) and you will receive 0% if plagiarism is detected. You must provide the references for your original research, inserting the notation "[X]" after a claim you make in your original text, where "X" is the number of the reference in the list. The reference list does not count toward your 500-word total. If you cannot select from talks that were recorded in this semester, then ask Dr. Weitnauer to make a recording from a past semester available to you. Your 500-word reports are due by reading day of the corresponding term.

Disability Accommodations

The Georgia Institute of Technology has policies regarding disability accommodation, which are administered through The Office of Disability Services, see <http://disabilityservices.gatech.edu/>. Students with disabilities may contact this Office to request accommodations.

Student Honor Code

The Georgia Tech Honor Code is the standard of conduct for this course. The Honor Code is available at <http://www.honor.gatech.edu/>. Copying the work of another student for an assignment and submitting it as your own is cheating. Any cheating detected will be reported to the Office of Student Integrity.