Create-X Capstone Design

Course prefix: ECE

Course number: 4853

Section: X

CRN
89833

Instructor first name: Craig

Instructor last name: Forest

Semester: Fall

Academic year: 2026

Catalog description: A single-semester ECE culminating design experience in which interdisciplinary teams propose, prototype, test, demonstrate, formally present, and document projects incorporating engineering standards and realistic constraints.

Academic honesty/integrity statement:

Academic Honesty and Integrity

Academic Honesty

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.

For "Writing with Humor": This course is all about teaching you about the ethics of quotation, citation, and the generous use of other people's words and ideas. We'll talk about what makes work "original," best practices for writing with sources and colleagues, and how to do citation. When in doubt, let me know and we'll work it out together!

I am most interested in *your* ideas, *your* way of writing, and *your* words. In college, we value your unique contribution and quality critical thinking over some nonexistent "right answer" or perfect grammar. Accordingly, please pay attention to the below policy on generative AI. We'll discuss this policy and make

adjustments as they come up. The most important thing is for you not to sabotage your (expensive) education by letting AI do tasks that are meant to make you learn and grow.

Academic Honesty and Generative AI

This course is about growing in your ability to write, communicate, and think critically. Generative AI agents such as ChatGPT, DALL-E 2, and others present great opportunities for learning and for communicating. However, AI cannot learn or communicate for you, and so cannot meet the course requirements for you.

In this course, using generative AI tools in the work of the course (including assignments, discussions, ungraded work, etc.) is **allowed only in instances specified by your instructor.**

In "ENGL 1101: Writing with Humor," using software and AI tools for things like spell-checking is always okay. However, using the generative or conversational functions of gen AI is allowed only when specified by the instructor—we'll have a clear policy for each assignment or type of work. When AI use is permitted, I'll ask you to acknowledge how you used the AI in a transparency statement. We'll talk about how to engage with gen AI ethically and in a way that supports your learning, and I'll walk you through expectations for transparency and documentation.

As with any technology, generative AI tools need to be used critically and according to academic and professional expectations. Thus, in instances in which your instructor allows generative AI tool use, you are expected to adhere to these principles:

- Responsibility: You are responsible for the work you submit. In instances in which your instructor allows generative AI tool use, this means that any work you submit should be your own, with **any AI assistance appropriately disclosed (see "Transparency" below) and any AI-generated content appropriately cited (see "Documentation" below).** This also means you must ensure that any factual statements produced by a generative AI tool are true and that any references or citations produced by the AI tool are correct.
- Transparency: Any generative AI tools you use in the work of the course should be clearly acknowledged as indicated by the instructor. This work includes not only when you use content directly produced by a generative AI tool but also when you use a generative AI tool in the process of composition (for example, for brainstorming, outlining, or translation purposes).
- Documentation: You should cite any content generated by an AI tool as you would when quoting, paraphrasing, or summarizing ideas, text, images, or other content made by other people.

Using generative AI tools at times not allowed by the instructor will be considered an infraction of the Georgia Tech Honor Code subject to investigation by the Office of Student Integrity. Likewise, using generative AI tools in the course without adhering to these principles will be considered an infraction of the Georgia Tech Honor Code subject to investigation by the Office of Student Integrity.

Core IMPACTS statement(s) (if applicable):

ENGL 1101 ENGL COMPOSITION I: This is a Core IMPACTS course that is part of the Writing area.

 Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I write effectively in different contexts?

Completion of this course should enable students to meet the following Learning Outcomes:

- Students will communicate effectively in writing, demonstrating clear organization and structure, using appropriate grammar and writing conventions.
- Students will appropriately acknowledge the use of materials from original sources.
- Students will adapt their written communications to purpose and audience.
- Students will analyze and draw informed inferences from written texts.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Critical Thinking
- Information Literacy
- Persuasion