Model&Sim:Found&Implemen

Last Updated: Tue, 03/17/2026

Course prefix: CSE

Course number: 6730

Section: A

CRN
89226

Instructor first name: Peng

Instructor last name: Chen

Semester: Fall

Course description: Foundations and algorithms concerning the development of conceptual models for systems, and their realization in the form of computer software; discrete and continuous models. Crosslisted with ECE 6730.

Academic honesty/integrity statement:

Academic Honesty / Integrity

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.

One serious kind of academic misconduct is plagiarism, which occurs when a writer, speaker, or designer deliberately uses someone else’s language, ideas, images, or other original material or code without fully acknowledging its source by quotation marks as appropriate, in footnotes or endnotes, in works cited, and in other ways as appropriate (modified from WPA Statement on “Defining and Avoiding Plagiarism”). If you engage in plagiarism or any other form of academic misconduct, you will fail the assignment in which you have engaged in academic misconduct and be referred to the Office of Student Integrity, as required by Georgia Tech policy. We strongly urge you to be familiar with these Georgia Tech sites:
The Office of Student Integrity — http://www.osi.gatech.edu/index.php/Links to an external site.
The Honor Code — https://osi.gatech.edu/students/honor-codeLinks to an external site.

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