COE 2001 Syllabus

Statics, Sections J, Credits: 2.0

Fall 2026

Instructor Information

Instructor: Antonia Antoniou

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General Course Information

Description

This course introduces how engineers approach loading of structures to ensure equilibrium. You will learn to translate real-world problems into clear diagrams, understand how loads in two and three dimensions act on structures, and develop strategies to solve them efficiently. Topics include free-body diagrams, distributed loads, centroids, and friction.

By the end of the course, you'll have a strong foundation for thinking like an engineer and tackling real-world systems with confidence.

Course Learning Outcomes

By the end of the course you should be able to address:

- Equilibrium in 2D and 3D
- Free Body Diagrams
- Distributed Loads
- Centroids
- Friction

Required Course Materials

Statics, Meriam & Kraige, 8th edition, Wiley

Grading Policy:

Grades will follow the 90: 80: 70: 60: 50 scale for A:B:C:D:F.

Assignment Type	Percentage Worth
Pre-class content	15 %
In Class Problem Sets	25 %
Peer Feedback	8 %
Mini Project (s) (3)	12 %
Online Quizzes (8)	40 % (5% each)
TOTAL	**100 %**

Course Policies

Attendance and/or Participation

I will not be monitoring attendance. However, I find that students do better and have more fun if they consistently follow along with the class.

Academic Integrity

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 Georgia Tech's Honor Code and the student Code of Conduct.

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Core IMPACTS

Core IMPACTS is the University System of Georgia's General Education curriculum. If you are teaching a course that counts towards Core IMPACTS, you should include a syllabus statement about the Core area and associated career competencies. This resource developed by the Center for Excellence in Teaching and Learning and Online Education at Georgia State University includes template syllabus statements for each of the Core IMPACTS areas that you may adapt for your course.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services (404-894-2563) 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.