COE 2001 Section C: Statics
Fall 2026, MW 2:00 - 2:50 pm
Whitaker 1103

Instructor:	Aakash Reddy Eetikala, aeetikala3@gatech.edu Office Hours: **TBD** *Please let me know if you need to meet at a time outside of office hours*
Assistant:	TBD
Textbook:	Engineering Mechanics: Statics, 9th Edition Meriam, Kraige, and Bolton, Wiley, 2018 You will need to purchase a WileyPlus access code for this course. << Canvas Page → Click the "Wiley Course Resources" Tab → Follow the Instructions to Create an Account >> (*e-textbook included in WileyPlus*)
Grading:	Attendance/In-class Assignments.....5% Homework.....15% Exams (3 @ 15% Each).....45% Project.....15% Final Exam.....20% **Total.....100%**

Course Format: This is a residential course at the Georgia Tech - Atlanta Campus, and all classes will be in person unless noted otherwise by the instructor. All students are expected to participate when possible. Canvas will be utilized in this course for things such as course information, lecture notes/handouts, additional examples, homework/project submissions, posting of grades, etc. Periodically, some class sessions will be held in a "flipped" classroom format, in which the lesson will be spent working examples rather than covering new content. You may be expected to complete additional work at home prior to these lessons.

Attendance: Students are expected to attend class in person. Attendance will be taken periodically throughout the semester at the beginning of the lecture. Signing the attendance sheet for anyone other than yourself will result in a letter grade penalty for all students involved. All students are allowed two unexcused absences with no penalty to their attendance grade. This course follows the Institute policies for excused absences (https://catalog.gatech.edu/policies/student-absence-regulations/).

All absences should be discussed with the instructor prior to the day of absence when possible. If an absence is excused, all in-class notes and exercises for the excused days will be provided to the student by the instructor with no penalty. *While you should strive to attend all class sessions, I recognize that sometimes absences are unavoidable due to unforeseen circumstances and illness. I am more than happy to work with you and accommodate these absences as best as possible if you speak with me beforehand and communicate your needs.*

In-Class Assignments/Flipped Classroom Exercises: There will be periodic in-class assignments. These in-class assignments will be short pop quizzes or in-class exercises.

Homework: There will be 10 homework assignments throughout the semester. The homework assignments will be due approximately one week after assigned. Exceptions are as noted on the Class Schedule, in which more time is given to accommodate holidays and exams.

Homework assignments will be assigned and graded for correctness using the WileyPlus online system. You will be allowed 5 attempts for each problem for correctness (be sure to submit the correct number of significant digits and check your units!!!). Homework problems will be algorithmic, meaning that each student will have unique input parameters, so solutions cannot be shared. You will also be required to scan and upload a pdf of your written work to Canvas supporting the answers you provided in WileyPlus. The correct answer on WileyPlus will count for 30% of the homework grade, and your written work supporting your answers will count for 70% of the homework grade.

Your written work portion of the homework assignments must follow the format shown in the "Homework Format" pdf provided on Canvas. All solutions not following this format or considered not sufficiently neat will have a 50% grade reduction applied to this portion of the assignment (i.e., the 70% portion). All submitted solutions should be neat, complete, and have a logical flow.

I expect you to submit your homework assignments on time. If conditions arise that will not allow you to submit the assignment on time, please contact me at least 24 hours in advance of the assignment deadline. Unless an exception is provided by me, assignments submitted late will be subject to the following reductions:

- 0-24 hours late = 25% reduction
- 24-48 hours late = 50% reduction

Assignments submitted more than 48 hours late will not be accepted, and you will receive a zero for the assignment.

Tests and Final Exam: There will be three in-person exams during the semester as posted on the course schedule. The exams will be closed book and closed note. A one-page (8.5"x11"), front-side only crib sheet and a calculator are allowed. Any type of calculator that does not have internet access capability is allowed (e.g., no use of phones or tablets with calculator apps, etc.). You are required to submit your crib sheet with your written exams, which will be returned to you later. If your crib sheets contain prohibited items (will be discussed prior to the exam), you will receive a grade penalty appropriate to the violation.

The final exam will be comprehensive and will occur on Friday, May 1, in the class-session room from 2:40 - 5:30pm. The final exam will be closed book and closed note. Five one-page (8.5"x11"), front-side only crib sheets and a calculator are allowed. Any type of calculator that does not have internet access capability is allowed (e.g., no use of phones or tablets with calculator apps, etc.). You are required to submit your crib sheets with your written exam.

If your combined exam and project average is a **B or higher**, the final exam will be optional. If you choose not to take the final exam, your combined exam and project average will be used for your final exam grade. If you choose to take the final exam, your final exam score will be used regardless of if it is higher or lower than your combined exam and project average. If your combined exam and project average is **below a B**, then the final exam is not optional. *It is your responsibility to ensure your final grade is what you want if you choose not to take the final.*

Bonus Assignments: Throughout the semester there will be a number of bonus assignments. These assignments will be things such as extra homework-like assignments, small projects, and

the attendance of guest lectures. These bonus assignments are completely optional and will not affect your grade if you choose not to participate. If you do complete some (or all) of the bonus assignments, I will consider this when determining your final grade.

Grading: The letter grade policy for this course is **A ≥ 90**, **B ≥ 80**, **C ≥ 70**, **D ≥ 60**, and **F < 60**. As there are bonus assignments available, these ranges are fairly rigid. However, I hold the right to change these grade ranges for the class as I see fit. If the grade ranges change for any reason, the class will be made aware, and the syllabus will be updated to reflect the changes.

Assignment/Exam Grade Disputes: After you receive a graded assignment / exam back, you will have a two-week window to dispute the grade if you disagree with any of the point deductions. All grade disputes shall be conducted in a cordial manner, and my decision on the dispute shall be considered final.

Accommodations: Georgia Tech has policies regarding disability accommodation, which are administered through the Office of Disability Services (https://disabilityservices.gatech.edu/). For students with disabilities, please contact this office to request course accommodations. Please also e-mail me as soon as possible to set up a time to discuss your learning needs. Reminders well in advance of special needs are appreciated and are your responsibility

Honor Code: You are allowed (and encouraged) to work together with other students in the class on the in-class and HW assignments. You are also encouraged to ask questions to me and the assistants once you are thinking through your problem solutions. Copying from other students or from any other source (e.g., solution manuals, third-party services, or any other non-class provided resources) is a violation of the Georgia Tech Honor Code (https://policylibrary.gatech.edu/student-life/academic-honor-code) and will be treated as such.

Students are not allowed to discuss or collaborate on the exams or final exam with anyone and may not use any outside resources. Any student who is suspected of violating the course integrity policies will be referred to the Office of Student Integrity (https://osi.gatech.edu/).

Diversity and Inclusion: I consider the classroom environment to be a place where you will be treated with dignity and respect, and I welcome individuals of all ages, backgrounds, beliefs, ethnicities, genders, gender identities, gender expressions, national origins, religious affiliations, sexual orientations, ability, and other visible and nonvisible differences. All members of this class are expected to contribute to a respectful, welcoming, and inclusive environment for every member of the class.

Disclaimer: When appropriate or necessary, I reserve the right to adjust, amend, or otherwise modify the information presented on this syllabus at any time. Changes will be held to the minimum absolutely necessary, and any changes will be brought to your attention and posted to the Canvas site.

Class Schedule

Date	Day	Lesson No.	Topic	Textbook Chapters/Sections	Assignments / Events
24-Aug	Monday	1	Introduction	1/ 1,2,4-9 ; D/ 2,5	
26-Aug	Wednesday	2	Scalars and Vectors	1/ 3 ; C/ 2,6,7	
31-Aug	Wednesday	3	2D Force Systems	2/ 2,3,4	HW1
2-Sep	Monday	4	2D Force Systems	2/ 5,6	
7-Sep	School Holiday (Labor Day)				
9-Sep	Wednesday	5	2D Equilibrium	3/ 1,2,3	HW1 Due ; HW2
14-Sep	Monday	6	2D Equilibrium	3/ 3	
16-Sep	Wednesday	7	2D Equilibrium	3/ 3	
21-Sep	Monday	8	3D Force Systems	2/ 7,8,9	HW2 Due ; HW3
23-Sep	Wednesday	9	3D Forces / 3D Equilibrium	3/ 4	
28-Sep	Monday	-	Exam 1 (Intro and 2D Systems)	HW1, HW2	
30-Sep	Wednesday	10	3D Equilibrium	3/ 4	HW3 Due ; HW4
5-Oct	Fall Break (No Classes)				
7-Oct	Wednesday	11	3D Equilibrium (flipped class)	3/ 4	
12-Oct	Monday	12	2D Trusses	4/ 1,2,3	HW4 Due ; HW5
14-Oct	Wednesday	13	2D Trusses	4/ 3,4	
19-Oct	Monday	14	2D Trusses (flipped class)	4/ 4	
21-Oct	Wednesday		Exam 2 (3D Systems)	HW3, HW4	
26-Oct	Monday	15	Frames and Machines	4/ 6	HW5 Due ; HW6
28-Oct	Wednesday	16	Frames and Machines	4/ 6	
2-Nov	Monday	17	Centroids / Center of Mass	5/ 1,2,3	HW6 Due ; HW7
4-Nov	Wednesday	18	Composite Bodies	5/ 4	
9-Nov	Monday	19	Area Moments of Inertia	A/ 1,2,3	HW7 Due ; HW8
11-Nov	Wednesday	-	Truss Project Due	HW5, HW6, HW7	
13-Nov	Friday	20	Beams, Shear/Moment Diagrams	5/ 6,7	
16-Nov	Monday	21	Beams, Shear/Moment Diagrams	5/ 6,7	HW9
18-Nov	Wednesday	22	Beams, Shear/Moment Diagrams	5/ 6,7	HW8 Due
23-Nov	Monday	23	Beams, Shear/Moment Diagrams (flipped class)	5/ 6,7	HW9 Due
25-Nov	Wednesday	Thanksgiving (No Classes)			
30-Nov	Monday	-	Exam 3 (Centroids, MoI, S/M Diag)	HW8,HW9,HW10	
2-Dec	Wednesday	24	Friction	6/ 1,2,3	HW10
7-Dec	Monday		Final Exam Review		
8-Dec	Tuesday				HW10 Due
TBD	TBD		Final Exam	HW1-HW10	

** This schedule is tentative and subject to change at my discretion **