



Purdue West Lafayette/Indianapolis
School of Mechanical Engineering
Basic Mechanics I
ME (WL) 27000
WL Fall 2026

Course Information

Meeting Information: Section 3 F2F; **Meeting Days and Time:** MWF 9:30am - 10:20am, ME 1130

Meeting Information: Section 5 F2F; **Meeting Days and Time:** MWF 11:30am - 12:20pm, ME 1130

Meeting Information: Section Y01 (Online Asyn); **Meeting Days and Times:** N/A

Instructor(s) Contact Information



Name: James Jones
Email: jonesjd@purdue.edu
Office Phone Number: (765) 494-5691
Student Consultation Hours
TTh 10:30am-11:30am
Additional Information
Office: ME 3003H

Table of Sections, Instructors and Contact Information

Table of instructors, section assignments, and contact information

Purdue West Lafayette (PWL)			
<i>Instructor</i>	<i>Lecture time/room CRN/Section</i>	<i>Office Office Hrs (or Appt)</i>	<i>Email</i>
Juan Osorio	MWF 8:30-9:20am/ME 1130 CRN 22506; Section 002	MW 10:30-11:30 Railside Station	osorio2@purdue.edu
Jim Jones	MWF 9:30-10:20am/ME 1130 CRN 22507; Section 003	TTh 10:30-11:30am ME 3003H (or Appt)	jonesjd@purdue.edu
Austin McDonald	MWF 10:30-11:20am/ME 1130 CRN 25505; Section 001	MWF 2:30-3:20 ME 1076	mcdona20@purdue.edu
Jim Jones	MWF 11:30-12:20pm/ME 1130 CRN 43443; Section 005	TTh 10:30-11:30am ME 3003H (or Appt)	jonesjd@purdue.edu
Fabio Semperlotti	MWF 12:30-1:20pm/ME 1061 CRN 14351; Section 008	TTh 3-4pm Online	fsemperl@purdue.edu
Jong Hyun Choi	MWF 1:30-2:20pm/ME 1061 CRN 19752; Section 009	MWF 2:30-3:10 pm ME 2198	jchoi@purdue.edu
Fabio Semperlotti	MWF 2:30-3:20pm/ME 1061 CRN 21660; Section 010	TTh 3-4pm Online	fsemperl@purdue.edu
Austin McDonald	MWF 3:30-4:20pm/ME 1130 CRN 27883; Section 032	MWF 2:30-3:20 ME 1076	mcdona20@purdue.edu
Tanner Ballance	MWF 4:30-5:20pm/ME 1130 CRN 27895; Section 033	TTh 1:30-2:30pm ME 1087	tballanc@purdue.edu
Morgan Murphy	TR 9:00-10:15am/ME G009 CRN 61905; Section 034	TTh 8:00-8:50am Gatewood Atrium	r32mt5@purdue.edu
Jim Jones	ME 270 Distance Learning CRN 25888; Section Y01	TTh 10:30-11:30am ME 3003H (or Appt)	jonesjd@purdue.edu
Purdue Indianapolis (PIN)			
<i>Instructor</i>	<i>Lecture time/room CRN/Section</i>	<i>Office/Phone Office Hr(or Appt)</i>	<i>Email</i>
John Eric Goff	MWF 9:30-10:20am/Lecture Hall 105 CRN 21601; Section 031	MWF 2-3pm, EL 104	goffje@purdue.edu
Ferdaushi Alam Bipasha	MWF 1:30-2:20pm/Lecture Hall 105 CRN 21595; Section 029	MW 2:40-3:30 pm F 10-11 am, EL 104	fbipasha@purdue.edu
Najmus Saqib	TTh 12:00-1:15pm/Lecture Hall 105 CRN 21599; Section 030	TTh 1:30-2:30pm, EL 104	nsaqib@purdue.edu

Course Description

Credit Hours: 3.00. Vector operations, forces and couples. Free body diagrams, equilibrium of a particle and of rigid bodies. Distributed forces. Centers of gravity and centroids. Friction. Trusses, frames, and machines. Internal reactions resulting from axial, shear, torsional, and bending loading. Stress and strain analyses and elementary failure criteria.

Prerequisites: (Undergraduate level, ENGR 16200, Minimum Grade of C- [may be taken concurrently] or (Undergraduate level, PHYS 17200, Minimum Grade of C- and (Undergraduate level, ENGR 13000, Minimum Grade of C- [may be taken concurrently] or

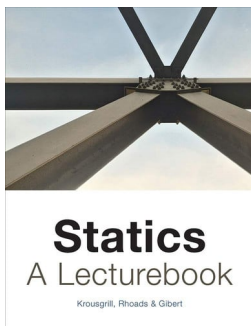
Undergraduate level, ENGR 13200, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, ENFY 13200, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, ENGR 13300, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, ENFY 13300, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, ENGR 14200, Minimum Grade of C- [may be taken concurrently]) or (Undergraduate level, PHYS 15200, Minimum Grade of C-) and Undergraduate level, ENGR 19600, Minimum Grade of C-)) and (Undergraduate level, MA 16200, Minimum Grade of C- or Undergraduate level, MA 16600, Minimum Grade of C- or Undergraduate level, MA 17300, Minimum Grade of C- or Undergraduate level, MA 18100, Minimum Grade of C- or Undergraduate level, MATH 16600, Minimum Grade of C-) and (Undergraduate level, MA 26100, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, MA 26300, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, MA 18200, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, MA 27100, Minimum Grade of C- [may be taken concurrently] or Undergraduate level, MATH 26100, Minimum Grade of C- [may be taken concurrently])

Course Learning Outcomes

By the end of the course, you will be able to:

1. Develop an understanding of static equilibrium and stresses in statically-determinate structures and how to apply them to engineering systems.
2. Learn a systematic approach to problem solving.
3. Foster effective mathematical and graphical communication skills.

Learning Resources, Technology & Texts



Statics: A Lecturebook

ISBN: 9781593999018

Authors: Charles M. Krousgrill, Jeffrey F. Rhoads, James M. Gibert

Publisher: XanEdu Publishing Inc

Publication Date: 2019-12-02

Edition: 2

Course Blog: <https://www.purdue.edu/freeform/statics/>

A course blog is made available to you for the semester. This blog

contains a threaded discussion component where you can seek assistance from fellow students in all sections of ME 270 as well as assist other students in answering their questions. In addition, the blog contains links to all material related to the course, including: course syllabus, homework problem statements, homework problem video solutions, solution videos for over 300 lecturebook examples, material for exam preparation, and any additional information that your instructor will make available to you during the semester. It is recommended that you use threaded discussions on this blog for discussions with your colleagues in the course. The blog is preferable to something like GroupMe, since on the blog, instructors and TAs can become involved in the blog discussions for providing helpful direction on problem solving, whereas this is not possible on GroupMe. We ask that you follow two simple rules. One, be courteous to the other people using the blog, and, two, please do not provide complete solutions for homework problems in your blog discussions.

F2F Tutorial Room

Face-to-face Tutorial Room Hours will be available as follows:

PWL – M-F 9am-6pm in ME 1009. Two TAs will be available from 11am-3pm for extra capacity during these peak hours.

PIN - M-F 10:00am-3pm in EL 104.

Students from either campus may attend any of the scheduled Tutorial Room hours. During the Tutorial Room Hours, Blog questions and comments will be continuously monitored and addressed by the TAs on duty. Hopefully, this will give you ample opportunity to seek assistance with your questions and concerns. Our TAs will strive to provide timely answers to your questions as quickly as is reasonably possible. We strongly encourage you to take full advantage of these valuable resources.

Office Hours

All instructors will also offer either F2F or Virtual Office Hours, as

outlined in the instructor list provided above. Students are invited to attend any of the Office Hours for any of the ME 270 instructors.

ME 270 Supplemental Instruction (West Lafayette Campus Only)

Supplemental Instruction is a program built around **peer-led group study sessions for some of Purdue's most challenging courses**. Our SI Leaders are undergraduate students at Purdue who have taken the course that they are assigned to lead and know what it takes to succeed. They are trained to facilitate or guide learning through fun, collaborative activities that provide more practice with challenging course material and concepts. SI attendance is correlated with higher grades in the paired course, but it shouldn't be thought of as a quick fix or a place to go for last minute help before an exam. To get the most benefit, you should attend SI early in the semester and continue coming as often as you can. Keep in mind that 1 hour of productive group study is equal to 2 hours of solo studying – **SI helps you maximize your study time while also getting to know your peers and having fun.**

Our ME 270 Supplemental Instructor for fall 2026 is Finley Hunt (huntf@purdue.edu). The Supplemental Instruction (SI) sessions will be taking place face-to-face this fall and all sessions will still be collaborative and interactive. Finally, there is no cost to you to participate in the SI Sessions. For fall 2026, Finley's SI Sessions will be held MW 7:30-8:20pm WALC 2051 and Finley will also be available for Office Hours on Thursdays Noon-1:00 pm in WILY C215 (in the Academic Success Center). Students are asked to arrive with their student ID card, lecture notes and questions to these informal, peer-led study sessions.

While Supplementary Instruction is currently only offered on the West Lafayette Campus, PIN students are welcome to attend.

One-on-One Tutoring (<https://www.purdue.edu/boilerconnect/>)

In addition to the faculty Office Hours and the Tutorial Room Hours, the School of Mechanical Engineering is pleased to fund and offer free

on-demand one-on-one tutoring. If you find yourself struggling greatly with the concepts and need personal attention, the one-on-one tutoring sessions may be ideal for your needs. The ME 270 instructors strongly encourage you to take advantage of this free service when you feel there is a need. Tutoring sessions are handled through BoilerConnect. You can make an appointment at <http://www.purdue.edu/boilerconnect/>. Be sure to select “Polytech, ECE & ME Tutoring”, then select “ME Tutoring”. This free service is available to all students taking ME 270 on either the PWL or PIN campus.

In addition to this service, the Academic Success Center (ASC) in Indianapolis is also offering free one-on-one tutoring services. It is located at ET 314E or the Student Center Room 201 (located at 520 Indiana Ave). The tutors will decide which location to meet. You can request a tutoring session via BoilerConnect. If you go to the ASC website (<https://www.purdue.edu/asc/indianapolis/tutoring.html>), you will find instructions on how to request a tutoring session.

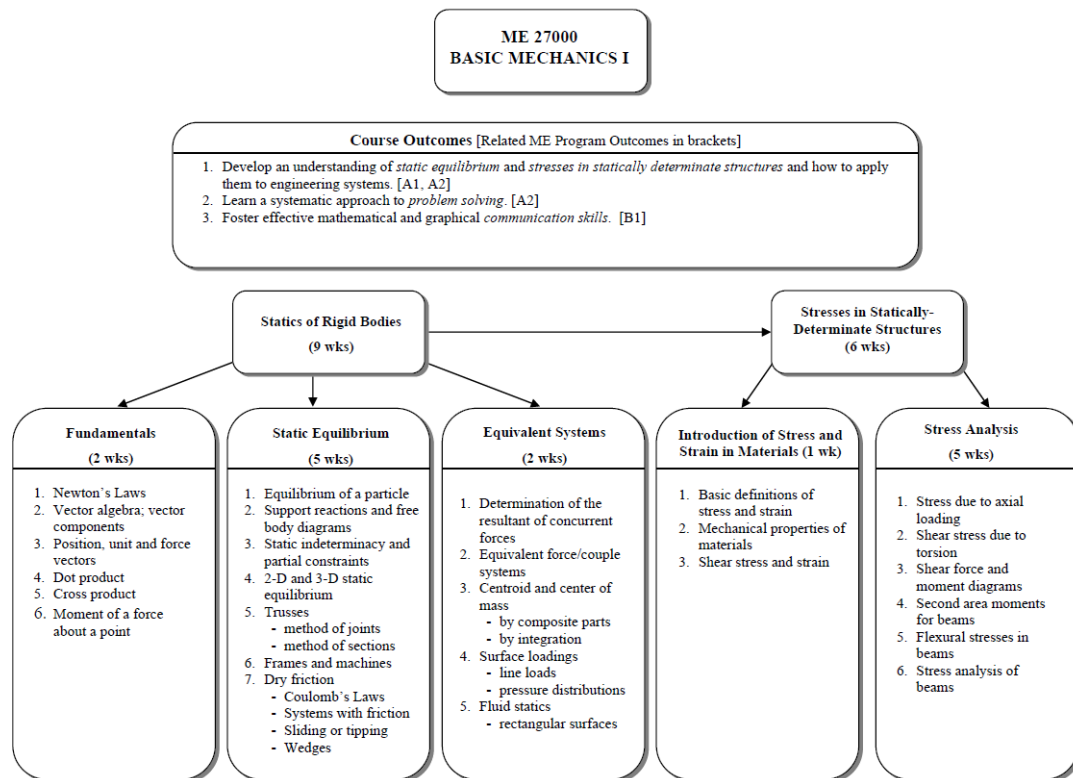
Disability Resource Center (DRC) Students

All DRC students should alert your instructor in the first week of classes if you have any DRC Special Accommodations. Remember, students must renew any accommodations every semester. Accommodation Letters do not automatically renew each semester.

All PWL DRC students will be asked to take their exams at the Purdue Testing Center administered by the Purdue Testing Services (PTS). Instructors will alert you in advance when their Testing Information Form (TIF) has been submitted and will direct you as to the appropriate date and start time for registration. Once asked to get registered, please do so immediately. If you delay registration, the Testing Center may reach full capacity and you will forfeit your ability to have your accommodations during the exam. It is imperative that you register early! Students that take the exam at the Testing Center will not need to scan and upload your exam to Gradescope. The PTS Staff will work with the faculty to get this done on your behalf.

All PIN DRC students will take their exams with their instructors. Any extended time will be added to the beginning of the exam. Any questions on how the process works can be directed to your instructor.

ME 270 Course Map



Course Schedule

Lect	Day	Date	Topics	Reading	Homework
STATICS					
1	M	Aug. 24	Introduction, Unit Conversions	1.A-F	
2	W	Aug. 26	Position, Unit, and Force Vectors	2.A-B	H2.A, H2.B
3	F	Aug. 28	Dot Product	2.A-E	H3.A, H3.B
4	M	Aug. 31	Particle Equilibrium (2-D)	3.A-F	H4.A, H4.B
5	W	Sep. 02	Particle Equilibrium (3-D)	3.A-F	H5.A, H5.B
6	F	Sep. 04	Moment About a Point	1.D,4.A	H6.A, H6.B
B	M	Sep. 07	LABOR DAY		
7	W	Sep. 09	Force Couples, Equivalent Systems	5.A-B	H7.A, H7.B
8	F	Sep. 11	Free Body Diagrams; Equilibrium of Rigid Bodies (2-D)	4.C-D	H8.A, H8.B
9	M	Sep. 14	Equilibrium of Rigid Bodies (2-D)	4.E-G	H9.A, H9.B
10	W	Sep. 16	Equilibrium of Rigid Bodies (3-D)	4.E-G	H10.A, H10.B
11	F	Sep. 18	Equilibrium of Rigid Bodies (3-D)	4.E-G	H11.A, H11.B
12	M	Sep. 21	Distributed Loading	5.D	H12.A, H12.B
13	W	Sep. 23	Centers of Mass & Centroids: By Composite Parts	5.C	H13.A, H13.B
14	F	Sep. 25	Centers of Mass & Centroids: By Integration	5.C	H14.A, H14.B
15	M	Sep. 28	Fluid Statics: Buoyancy	5.E-G	H15.A, H15.B
16	W	Sep. 30	Fluid Statics: Hydrostatic Loads	5.E-F	H16.A, H16.B
R	F	Oct. 02	Review for Exam 1		
17	M	Oct. 05	Friction: General	6.A-B	H17.A, H17.B
18	W	Oct. 07	Friction: Slipping-Tipping	6.C	H18.A, H18.B
E	W	Oct. 07	EXAM 1 (8:00 – 9:30 PM); (Covers Lectures 1-16)	Ch. 1-5	
B	F	Oct. 09	NO LECTURE	6.C	
B	M	Oct. 12	OCTOBER BREAK		
19	W	Oct. 14	Friction: Flat Belts	6.D	H19.A, H19.B
20	F	Oct. 16	Friction: Wedges	6.E-G	H20.A, H20.B
21	M	Oct. 19	Trusses: Method of Joints	7.A-C	H21.A, H21.B
22	W	Oct. 21	Trusses: Method of Sections	7.E	H22.A, H22.B
23	F	Oct. 23	Trusses: Zero-Force Members	7.C-I	H23.A, H23.B

Lect	Day	Date	Topics	Reading	Homework
24	M	Oct. 26	Frames and Machines	8.A-D	H24.A, H24.B
25	W	Oct. 28	Frames and Machines	8.A-D	H25.A, H25.B
26	F	Oct. 30	Internal Force/Couple Analysis	9.A	H26.A, H26.B
27	M	Nov. 02	Shear-Force and Bending-Moment Diagrams (Pt. Loads)	9.B	H27.A, H27.B
28	W	Nov. 04	Shear Force and Bending Moment Diagrams (Dist. Loads)	9.B	H28.A, H28.B
R	F	Nov. 06	Exam 2 Review		
29	M	Nov. 09	Shear Force and Bending Moment Diagrams(Graph Meth)	9.B-E	H29.A, H29.B
E	M	Nov. 09	Exam 2 (8:00-9:30PM); (Covers Lectures 17-26)	Ch. 6-8	
30	W	Nov. 11	Stress-Strain Curves; Axial Stress and Strain	10.A-F	H30.A, H30.B
B	F	Nov. 13	NO LECTURE		
31	M	Nov. 16	Axial Stress and Strain; Factor of Safety	10.A-F	H31.A, H31.B
32	W	Nov. 18	Shear Stress and Strain; Direct Shear	11.A-D	H32.A, H32.B
33	F	Nov. 20	Shear Stress Due to Torsion in Circular & Tubular Shafts	11.E	H33.A, H33.B
34	M	Nov. 23	Shear Stress Due to Torsion in Circular & Tubular Shafts	11.E-F	H34.A, H34.B
B	W	Nov. 25	THANKSGIVING HOLIDAY		
B	F	Nov. 27	THANKSGIVING HOLIDAY		
35	M	Nov. 30	Flexural Stresses in Beams	12.A	H35.A, H35.B
36	W	Dec. 02	Flexural Stresses in Beams	12.A	H36.A, H36.B
37	F	Dec. 04	Second Moments of Area: By Composite Parts	12.B	H37.A, H37.B
38	M	Dec. 07	Second Moments of Area: By Integration	12.B, D	No Assigned HW
R	W	Dec. 09	Review for Final Exam	Ch. 1-12	Practice Exams
R	F	Dec. 11	Review for Final Exam	Ch. 1-12	Practice Exams
E			FINAL EXAM (Date/Time TBD); (Covers Lecs 1-38)		

Assignments

Homework

Common homework sets will be used across all sections of ME 27000 (both PWL and PIN) and will be graded by TAs using a common grading rubric. There will be two HWs assigned for each period. However, only the one in **BOLD** (the B Problem) will be required to be submitted. The other problem (the A Problem) is just for added practice or review. The problem in **BOLD** will be graded in detail for 10 points. Homework (HW) must be submitted by 11:59pm on the due date (i.e., homework assigned in a particular class is due at 11:59pm on the day of the next class period, unless otherwise posted). Please post your HW on Gradescope on the appropriate HW link using a single PDF file. Each student will be given 10 points to make up for one missed HW submission, but otherwise late HW will not be accepted without personalized documentation from the DRC, the Dean of Students or a physician (i.e., a generic PUSH note is not sufficient). Please review your homework submission after it has been uploaded onto Gradescope to ensure that all work has been properly submitted. If for some reason you have problems posting your HW on Gradescope, please email the grader the PDF of your HW before the 11:59pm deadline with an explanation. If you have a problem converting your HW into a single PDF format, take a legible picture of your HW and email to the grader. Each of these accommodations should be rare occurrences. Opportunities for bonus credit toward your HW average will be made available by your instructor. Homework solutions will be posted on the blog shortly after they are due. Graders will strive to have your assignments graded by the class period following submission. If you are unable to submit the work on-time due to circumstances outside of your control, you may submit your work to your instructor with written documentation of the circumstances for consideration, but there are no promises.

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Quizzes (Adaptations Subject to Instructor)

Any quizzes administered by your instructor will be unique to each

section, but will make up only a small portion of the overall grade in ME 27000. A number of quizzes (individual or group) may be given throughout the semester to assist students in keeping up on the course material. The goals of the quizzes are to help students identify gaps in their understanding of the basic mechanics principles and provide an assessment of student competency. No quizzes will be administered in the Distance Section.

Exams

Common evening exams will be used across all sections of ME 27000. There will be two midterm exams and one final exam. Contact your instructor immediately if you are not able to make it to an exam. You will need documentation to support an excused absence from an exam. In the case of an excused absence on an exam, your final exam will count as your score for the exam you missed. Instructors will strive to have exams graded and returned within one week of the exam date.

Grading Scale

Per the Purdue University Academic Regulations, the following grades shall be available to be assigned by the instructors and reported when they are called for by the registrar:

A+

A: Highest passing grade.

A-

B+

B

B-

C+

C

C-

D+

D

D-: Lowest passing grade; marginally passing minimal objectives of the course.

E: Conditional failure; failure to achieve minimum objectives, but only to such limited extent that credit can be obtained by examination or otherwise without repeating the entire course. This grade represents failure in the course unless and until the record is duly changed within one semester. It cannot be improved to a grade higher than D. (See section E.) When an instructor reports a grade of E, they shall file in the departmental office a statement of what is required of the student to receive the passing grade.

F: Failure; failure to achieve minimal objectives of the course.

The student must repeat the course satisfactorily in order to establish credit in it.

Grades and Grade Reports

Grades:

Course grades will be assigned on a straight scale: 97-100 A+; 93-97% A; 90-93% A-; 87-90% B+; 83-87% B; 80-83 B-; 77-80% C+; 73-77% C; 70-73% C-; 67-70% D+; 63-67% D; 60-63% D-; <60% F. The percentage breakdown for the components of our course grade are the follows:

1. Homework (10%) and Quizzes (5%): 15% (for Asyn. Distance Section Y01, HW = 15%)

Two homework problems are assigned per lecture. Completed homework assignments are to be submitted to Gradescope by 11:59pm ET of the due date. Late homework will not be accepted. Homework is to be turned in on engineering paper using the sample format provided

below. Your work needs to be presented with a logical thought process and in a neat, easy-to-read style. Failure to do so can result in a loss of points in your homework grade.

1. Mid-term and Final Exams: 85%

You will be given two mid-term exams and a final exam during the scheduled University final exam period. At the end of the term, the average of the two mid-term exams will be compared with your final exam score. The higher of these two will be given 60% weighting and the lower of these will be given a 25% weighting in the computation of your course average from which your course grade is determined.

1. Bonus Points: Extra Credit

Officially there are 36 homework assignments over the course of the semester. However, there will be several opportunities to earn Bonus Points. Specifically, students can earn two additional HW scores for completing the Mid-Semester Course and Instructor Evaluation and two additional HW scores for completing the End-of-Semester Course and Instructor Evaluations. These Bonus Points will be counted in the numerator but not the denominator, meaning that your HW average can exceed 100%.

Attendance Policy

Class Attendance (Not applicable to Distance Students)

Students registered for F2F sections are strongly encouraged to attend class provided they are feeling well. If a student needs to miss class due to an illness, we encourage them check with their instructor and peers to keep pace with the class while recovering.

Homework Format and Sample Problem

Your Name (Last, First, Middle) Problem Number Date

Given: concise statement (in your own words) of the information given.

Find: concise statement (in your own words) of the information sought.

Solution:

- Draw a schematic (where appropriate, a free body diagram) of the system and label appropriate coordinate axes. Use a straight edge whenever possible.
- State mathematical formulation of basic laws or definitions to be used.
- State your initial assumptions.
- Beginning with the basic equations, carry through the analysis, simplifying as far as possible before substituting in numbers.
- Substitute in numerical values (using a consistent set of units) to obtain numerical answers.
- Check your answers to be sure that they are reasonable.
- Label your answers and include appropriate units with the answers.
- Use "over bar" notation for all vectors appearing in your solution; e.g., $\vec{F}$.

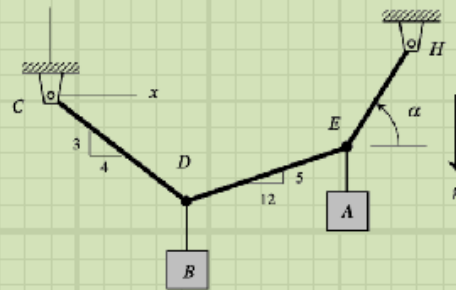
NOTE:

- [1] Work problems directly on the sheet to be turned in. Give all the details of calculations.
- [2] Neat work will help in avoiding careless errors (Mars Climate Orbiter).
- [3] Use Engineering Grid Paper for all homework problems.
- [4] One problem per page working on just the light side of the paper.
- [5] Make sure your name, problem number, date, etc. appears on all pages.

Given: Blocks A and B each have a weight of W and are supported with the cable system shown.

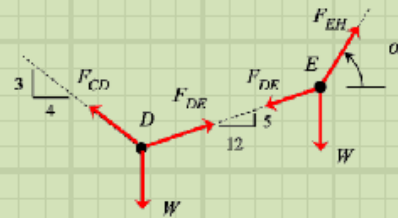
Find: If the system is in static equilibrium,

- determine the tensions in cables CD and DE, and
- determine the angle α .



Solution:

Free body diagrams (FBDs):



From the FBD of D:

$$\sum F_x = -\frac{4}{5}F_{CD} + \frac{12}{13}F_{DE} = 0 \Rightarrow F_{CD} = \frac{15}{13}F_{DE}$$

$$\sum F_y = \frac{3}{5}F_{CD} + \frac{5}{13}F_{DE} - W = 0 \Rightarrow \left[\frac{3}{5} \left(\frac{15}{13} \right) + \frac{5}{13} \right] F_{DE} = W \Rightarrow F_{DE} = \frac{13}{14}W$$

$$\Rightarrow F_{CD} = \frac{15}{13}F_{DE} = \frac{15}{13} \left(\frac{13}{14}W \right) = \frac{15}{14}W$$

From the FBD of E:

$$\sum F_x = -\frac{12}{13}F_{DE} + F_{EH}\cos\alpha = 0 \Rightarrow F_{EH}\cos\alpha = \frac{12}{13} \left(\frac{13}{14}W \right) = \frac{6}{7}W$$

$$\sum F_y = -\frac{5}{13}F_{DE} + F_{EH}\sin\alpha - W = 0 \Rightarrow F_{EH}\sin\alpha = W + \frac{5}{13} \left(\frac{13}{14}W \right) = \frac{19}{14}W$$

Dividing the above two equations gives:

$$\frac{F_{EH}\sin\alpha}{F_{EH}\cos\alpha} = \frac{6W/7}{19W/14} \Rightarrow \tan\alpha = \frac{12}{19} \Rightarrow \alpha = \tan^{-1} \left(\frac{12}{19} \right) = 32.3^\circ$$

ME 270 Course Blog

ME 270 – Course Blog

The blog discussion threads for this course are intended to provide a forum for the exchange of ideas among the students in the class, and between the students and the TAs/instructors. From this blog, you can get/provide assistance from/to other people in the class. We have found that you can often learn as much from helping others as from getting help for yourself.

LOGGING IN: You can access all of the information on the blog except adding blog posts without logging in. In order to log in, do the following:

1. Use your Purdue Career Account login. Do NOT use the BoilerKey (two-factor) authentication.
2. On the first login, you will need to receive approval prior to being able to post comments. We will get this approval done quickly as possible. It is recommended that you log on to the blog during the first week of class in order to get this approval process done in time for you to use the blog throughout the semester.

ANONYMITY IN POSTING: When you first log onto the course blog and are approved by your instructor, your default *User Name* is set to that of your Purdue Career Account. This *User Name* will appear with each comment that you post on the blog. If you would like to post anonymously, you are able to choose a new “*Nickname*” that will be displayed instead of your *User Name* on the comments. To do so:

1. Go to your “**Edit my profile**” in the upper right of the Admin Bar under “**Howdy**”.
2. Add a nickname in the “**Nickname**” (*required*) box.
3. In the “**Display name publicly as**”, choose the desired nickname from the drop-down list.
4. Click “**Update Profile**” at the bottom of the page.

You may add additional *Nicknames*, and switch among these for different displays throughout the semester. If being anonymous to your colleagues is important to you for your postings, choose nicknames that will help you maintain your anonymity.

Academic Integrity

Academic Honesty

Faculty and students working together can promote a fair and positive

academic environment. All students are expected to conduct themselves in an ethical manner. Students are permitted to discuss homework assignments together, but should do their own work when preparing a problem solution (i.e., copying from a solution manual, an on-line resource such as Chegg, Chat GPT or other AI tool, or another student's work is explicitly prohibited). Also, any access to assigned homework solutions and/or exam solutions (e.g., Chegg, or other sources) prior to submission will be considered an integrity violation. Furthermore, remember aiding and abetting others is also a form of cheating. Specifically, posting or allowing other students to see your completed assignments is a common form of aiding and abetting others and is explicitly prohibited. Finally, the use of GroupMe sites are discouraged. Rather, we encourage students to discuss homework on the ME 270 blog following the rules established for the blog. When students use GroupMe sites it raises suspicions about what they are hiding and lead to accusations of cheating. Likewise, all exams are to be completed without unauthorized assistance. Any student caught cheating on an assignment or exam will receive disciplinary action, up to and including receiving a grade of "F" for the course. In addition, documentation of the infraction will be forwarded to the Office of the Dean of Students (ODOS), which may result in additional disciplinary sanctions, up to and including separation from the University (specifically suspension or expulsion). All of us are equally responsible for ensuring a fair and positive environment. If you become aware of any dishonest activities, please report the infractions to me (anonymously if you prefer) and we will investigate the concerns. If there is sufficient evidence of academic dishonesty, we will take disciplinary action. Finally, remember if you are complicit in assisting a peer to cheat, you are equally guilty. Please take to heart Purdue's Honor Pledge:

"As a boilermaker pursuing academic excellence, I pledge to be honest and true in all that I do. Accountable together - we are Purdue."

Academic Integrity Statement:

http://www.purdue.edu/purdue/about/integrity_statement.html

Code of Student Conduct:

http://www.purdue.edu/studentregulations/student_conduct/regulations.html

Reports of cheating can be submitted through the ODOS website (purdue.edu/odos), by phone at 765-494-8778 or by email at integrity@purdue.edu.

Nondiscrimination Statement

Purdue University is committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her potential. A hyperlink to Purdue's full Nondiscrimination Policy Statement is included in the Academic Resources table on your Brightspace homepage.

AI Policy

Students are not permitted to use AI Tools in the preparation for their Homework nor their Exams. Any use of unauthorized resources, (e.g., AI tools, Chegg, copying from peers, solution manuals, etc.) is explicitly prohibited. Any use of such resources will be considered a integrity violation and will be addressed by the instructor as noted in the Academic Integrity Section.

Accessibility

Every member of our course should be able to access, use, and learn from the materials we share. This includes all course related digital content that you and I share in the course. This approach helps promote equal access for everyone at Purdue and is mandated federally by [Title II of the Americans with Disabilities Act \(ADA\)](#). We will work together to provide this access within our Brightspace course.

- My part, as the instructor, is to make sure all course materials shared to Brightspace, such as documents, slides, videos and audio, and images, meet accessibility guidelines and to assist you in making sure anything you share is accessible. If we can do anything further to support your access to and engagement with course materials, please notify me.
- Your role, as a student, is to make sure anything you post for other students to engage with is also accessible, such as peer grading, peer feedback, and

discussion board posts. This expectation is built into all course assignments that require you to post to Brightspace.

- A good starting place for students and instructors is to bookmark and review the [Innovative Learning Accessibility Checklist](#) for guidance on creating accessible materials. We need to work together to make sure all materials on our course Brightspace are accessible.
- If you select materials to share on our Brightspace from Purdue Libraries catalog or databases, best practices include choosing items that:
 - Can be downloaded in full
 - Are available in EPUB or HTML formats
 - Include alternative text for written materials or captions for audio/visual content

Accommodations

Purdue University strives to make learning experiences accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, you are encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247, as soon as possible.

If the Disability Resource Center (DRC) has determined reasonable accommodations that you would like to utilize in my class, you must release your Course Accommodation Letter to me. Instructions on sharing your Course Accommodation Letter can be found by visiting: [How To Use Your Course Accommodation Letter](#). Additionally, you are strongly encouraged to contact me as soon as possible to discuss implementation of your accommodation.

Mental Health/Wellness Statement

If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try [Therapy Assistance Online \(TAO\)](#), a web and app-based mental health resource available courtesy of Purdue Counseling and Psychological Services (CAPS). TAO is available to all students at any time by creating an account on the [TAO Connect](#) website, or downloading the app from the App Store or Google Play. It offers free, confidential well-being resources through a self-guided program informed by psychotherapy research and strategies that may aid in overcoming anxiety, depression and other concerns. It provides accessible and effective resources including short videos, brief exercises, and self-reflection tools.

If you need support and information about options and resources, please contact or see

the [Office of the Dean of Students](#). Call 765-494-1747. Hours of operation are M-F, 8 a.m.-5 p.m.

If you find yourself struggling to find a healthy balance between academics, social life, stress, etc., sign up for free one-on-one virtual or in-person sessions in West Lafayette with a [Purdue Wellness Coach at RecWell](#). Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is free and can be done on BoilerConnect. Students in Indianapolis will find support services curated on the [Vice Provost for Student Life](#) website.

If you're struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact [Counseling and Psychological Services \(CAPS\)](#) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS offices in [West Lafayette](#) or [Indianapolis](#).

Emergency Preparedness

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email or phone. You are expected to read your @purdue.edu email on a frequent basis.

See [Purdue's Information on Emergency Preparation and Planning](#). This website covers topics such as Severe Weather Guidance, Emergency Plans, and a place to sign up for the Emergency Warning Notification System. I encourage you to download and review the [Emergency Procedures Guide](#).

The first day of class, I will review the **Emergency Preparedness plan for our specific classroom**. Please make note of items like:

- The location to where we will proceed after evacuating the building if we hear a fire alarm. (Outside MSEE Bldg)
- The location of our Shelter in Place in the event of a tornado warning. (ME1130)
- The location of our Shelter in Place in the event of an active threat such as a shooting. (ME 1130)

Student-Related Policies

The Vice President for Ethics & Compliance website includes a list of [Student Policies](#). Among those is the [Violent Behavior](#) policy, which explains that Purdue is committed to providing a safe and secure campus environment for members of the university community. Purdue strives to create an educational environment for students and a work environment for employees that promote educational and career goals. Violent behavior impedes such goals. Therefore, violent behavior is prohibited in or on any University facility or while participating in any university activity.

Grade Appeals Process

At the end of the course, after final course grades have been assigned, students who believe their grade was assigned contrary to what is outlined in the course syllabus, has been assigned arbitrarily, or has been reduced too severely due to a violation of course academic integrity policies, may submit an appeal request to have this final course grade reviewed. The University's Grade Appeal Process is outlined in the University Catalog and is also referenced on the website for the [Office of Student Rights and Responsibilities \(OSRR\)](#).

Staff in the OSRR office are able to assist in determining if a Grade Appeal is appropriate. Generally, students should not expect a grade appeal to be successful if there is a lack of information to support the appeal or if the student merely thinks that the assigned grade is "unfair". Students must also attempt to resolve the matter informally with the course instructor prior to beginning the appeal process.

Basic Needs Program

If you are facing challenges securing basic needs such as food, housing, transportation, health services, or access to technology or childcare resources and believe this may affect your performance in the course, please contact the Office of the Dean of Students (ODOS) to help coordinate with community resources. These services vary by location. In West Lafayette, see the [Basic Needs Program](#) website, or email basicneeds@purdue.edu. To connect with a Student Support Generalist on the Indianapolis campus, contact them by phone at 765-495-7797 or email studentlifeindy@purdue.edu.

Course Evaluation

Toward the end of this semester, you will be provided with an opportunity to give feedback on this course and your instructor. Purdue uses an online course evaluation system, and I will not have access to this anonymous feedback until after final grades are submitted. You will receive an official email from evaluation administrators with a link to the online evaluation site and will receive a prompt to complete the survey when you login to Brightspace. The subject line will be: Please take 2-5 minutes to complete the survey. Check your "Junk E-mail" folder occasionally to be sure the evaluation emails were not accidentally routed there. Your participation is an integral part of this course, and your feedback is vital to improving education at Purdue University. I strongly urge you to participate in the evaluation system. Students who participate in the evaluations and submit proof of their participation (upload screenshot of their completed survey to Gradescope) will receive extra credit as outlined in the Grades Section.

This syllabus is subject to change. You will be notified of any changes as far in advance as possible via an announcement on Brightspace. Monitor your Purdue email daily for updates.