Instructor: Arancha Alarcon, PhD, PE, LEED AP, (arancha.alarconfleming@northwestern.edu), Tech A220

Office hours: Monday & Wednesday 1-3 pm, Friday 10-11am and by appointment

Lecture: 11.00 – 11.50am, Monday, Tuesday, Wednesday and Friday
Classroom: Annenberg Hall G21

CEE 216 Labs: There are 2 options for this part of the class

a) Attend four labs (in AG40) ran by the TA’S during the quarter and write a report for each one.

b) You may also choose not to attend labs so your 10% of the grade will consist on 4 Matlab projects instead of the actual labs. If you choose this option, you do not need to be present on the days that I do not teach.

BME_Thursday session: Prof. David O’Neill (david.oneill@northwestern.edu)

Teaching Assistants: available for both sections- TBA

CEE scholars: Extra help @AG40: TBA

Recommended Text Book: Mechanics of Materials, F.B. Beer, E. R. Johnston, J. T. DeWolf, D. F. Mazurek, 8th edition, Mc Graw Hill. Prior editions of the textbook as well as other similar textbooks are adequate for the reading content but it is your responsibility to check the sections for reading since I cannot guarantee that the organization and content are the same in all editions/books.

Calculator policy: NCEES approved calculator: ncees.org/exams/calculator for exams. My advice is to use it also for homework to get familiarized with it.

- Casio: All fx-115 and fx-991 models (Any Casio calculator must have “fx-115” or “fx-991” in its model name.)
- Hewlett Packard: The HP 33s and HP 35s models, but no others
- Texas Instruments: All TI-30X and TI-36X models (Any Texas Instruments calculator must have “TI-30X” or “TI-36X” in its model name.)
Prerequisites: GEN_ENG 205-2: Statics

Grading:

Score CEE only Lowest Midterm @ 5% + other 2 midterms @ 40% each + HW*5%+ Labs*10%

Score BME only Lowest Midterm @ 5%+ other 2 Midterms @ 40% each + HW *5%+ BME Appl.*10%

All exams are closed book and notes. No Make-up exams will be given.

Midterm #1: TBA
Midterm #2: TBA
Midterm #3: TBA

Academic Integrity

“Uploading materials from this course to websites that sell such content to students is prohibited by Northwestern’s academic integrity policies, and may also put you at risk for violating copyright policies in Northwestern’s Student Conduct Code.”

You can find a full explanation of Northwestern's and McCormick's policies on academic integrity at [http://www.northwestern.edu/uacc/](http://www.northwestern.edu/uacc/).

Special Accommodations

If you require special accommodations please register with AccessibleNU Center (accessiblenu@northwestern.edu; 847-467-5530) ASAP, preferably within the first two weeks of class.

Homework Assignments

Homework will be assigned weekly for each chapter and problem statements will be uploaded on Canvas.

1- Write your first and last name, section (CEE 216 or BME271), assignment number and page number.
2- Please solve each problem on a separate sheet (engineering paper).
3- Write neatly and clearly on one side of the paper only.
4- Include a brief statement of the problem (Given =…, Find= …)
5- Use a straight edge (a ruler or a triangle) to draw straight lines
6- Draw a box around your final answer and provide units. It is your responsibility to indicate your solution method clearly. This is not a course in mystery writing!!

Homework is due on Canvas on Mondays (unless noted otherwise) by 11.10 am. Late homework will not be graded. Homework not conforming to the format detailed above will not be graded