

Syllabus - CHEN 1300 Intro to Chemical Engineering

Instructor: Dr. Wendy Young
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Class Meetings: Thurs, 5:30-6:20pm, JSCBB A115

Office Hours: Thurs, 4:20-5:20pm, JSCBB D1B20, by appointment, or stop by. Questions welcome by email.

Text: *A Mind for Numbers: How to Excel at Math and Science* by Barbara Oakley, Penguin, New York, New York, 2014.

Course Content and Learning Objectives

- Learn about careers for chemical and chemical & biological engineers (ChBE)
- Get an overview of the industries where ChBEs work
- Learn about the ChBE curricula and optional emphases at CU
- Learn about special programs at CU of interest to ChBE students
- Gain insight into contemporary ChBE processes and issues
- Assess the impact of engineering solutions
- Examine ethical dilemmas that chemical and biological engineers face
- Get an introduction to ChBE faculty, students, and professionals
- Learn about problem solving strategies and learning techniques

Assignments and Grading Basis

| Assignment | | Grade Distribution | |
|----------------------------|-------|--------------------|---------------|
| Lifelong Learning Paper | 10% | | |
| Career Assignment | 10% | 90% - 100% | A- through A |
| Ethics Case Study | 20% | 80% - 89% | B- through B+ |
| Contemporary Topic Paper | 25% | 70% - 79% | C- through C+ |
| Career Fair Summary | 2.5% | 60% - 69% | D- through D+ |
| In-Class Speaker Summaries | 32.5% | ≤ 59% | F |
| | 100% | | |

Please turn in your assignments on time!

- Assignments (other than speaker summaries) are due BEFORE class on D2L
 - **The D2L FOLDER WILL CLOSE at 5:30pm on the assignment due date**
- Assignments turned in AFTER 5:30pm will be counted for 50% of possible points for 24 hours after the due date/time
- No credit will be given for assignments turned in over 24 hours past the due date
- There is no penalty for turning in an assignment early! If you think you might not make it to class, you may always turn it in early

Speaker Summaries

- Due at the end of EVERY class
- Will count for your attendance

- Format
 - o Name at top
 - o At least half a page
 - o Hand-written
 - o Paragraph form or bullet points

Attendance

- You may be excused from one class (no need to notify instructor)
- If you must miss 2 classes, please complete a make-up assignment (see Class Make-Ups below)
 - o No need to contact instructor
- **If missing >2 classes, please contact instructor BEFORE missing your 3rd class or it will count as an unexcused absence even if a make-up is turned in.**
- Each unexcused absence will result in a 10% deduction of the **final** grade
 - o To reiterate, your first class absence is excused but all subsequent absences are unexcused and require make-ups

Class Make-Ups

- Please submit to D2L a summary of a professional event you attend
- Acceptable events
 - o BEST: Professional talk on an engineering, science, research or business subject (i.e. applicable to your future career)
 - o Career fair or vendor show
 - o AIChE/OXE/SWE/ISPE/BMES meeting or conference
 - o Engineering volunteer activity
 - o Career Services resume critique or mock interview
 - o Company or graduate/medical school info session
 - o Professional interview
- Format (same as Speaker Summaries)
 - o **Name and "Make-Up Assignment" at top**
 - o At least half a page
 - o Hand-written or typed
 - o Paragraph form or bullet points
- Content: comment on the event itself, what you learned from it, how you would better prepare, etc.

Career Fair Summary

- Please attend either:
 - o Technical Career Fair; Thurs, 1/26 11am - 4pm in UMC Ballroom
 - o Bio Networking Fair; Tues, 2/21 10am - 2pm UMC 235
 - o Criminal Justice & Gov't Focus; Thurs, 3/2 4pm - 7pm UMC 235
 - o Careers in Non Profit; Thurs, 3/9 4pm - 7pm UMC 235
 - o Just in Time Career Fair; Wed, 4/19 11am-4pm UMC Ballroom
 - o Other Career/Vendor Fair (**please check with Instructor first**)
- Bring Career Fair Summary sheet (available on D2L), fill it out, and submit it to D2L
- Turning in a picture or a scan of the sheet is acceptable
- Answers can be hand-written and informal

Ethical Standards

This course follows the University Honor Code.

NO RESUBMISSION OF WORK, including your own work that you turned in for a different CU, high school, or other class. Resubmission and plagiarism are grounds for failure of the class.

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [academic integrity policy](#) of the institution. Violations of the policy may include: **plagiarism**, cheating, fabrication, lying, bribery, threat, unauthorized access, clicker fraud, **resubmission**, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273). Students who are found responsible for violating the academic integrity policy will be subject to nonacademic sanctions from the Honor Code Council as well as academic sanctions from the faculty member. Additional information regarding the academic integrity policy can be found at <http://honorcode.colorado.edu>.

Disability

If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by email at dsinfo@colorado.edu. If you have a temporary medical condition or injury, see [Temporary Injuries guidelines](#) under the Quick Links at the [Disability Services website](#) and discuss your needs with your professor.

Religious Observances

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, (insert your procedures here).

See the [campus policy regarding religious observances](#) for full details.

Classroom Behavior Policy

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. For more information, see the policies on classroom behavior and the student code.

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation

The University of Colorado Boulder (CU Boulder) is committed to maintaining a positive learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct, discrimination, harassment or related retaliation against or by any employee or student. CU's Sexual Misconduct Policy prohibits sexual assault, sexual exploitation, sexual harassment, intimate partner abuse (dating or domestic violence), stalking or related retaliation. CU Boulder's Discrimination and Harassment Policy prohibits discrimination, harassment or related retaliation based on race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been subject to misconduct under either policy should contact the Office of Institutional Equity and Compliance (OIEC) at

303-492-2127. Information about the OIEC, the above referenced policies, and the campus resources available to assist individuals regarding sexual misconduct, discrimination, harassment or related retaliation can be found at the [OIEC website](#).