

CE 411/ENGINEERING FUNDAMENTALS – 1 CREDIT

Course Syllabus – Spring 2016
University of Idaho

Course Facilitator: Dr. Patricia J. S. Colberg, Ph.D., P.E.
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UI Course Catalog Description: CE 411 Engineering Fundamentals (1 cr)

Review of basic engineering and science material covered in Fundamentals of Engineering exam. Offered for the nine to ten week period prior to the exam date. Graded P/F. **Prerequisites:** Senior standing or permission.

Class meetings: Tuesdays (19 January – 1 March)
7:00-9:00 PM
MCCL 209

Reference Text: You may download (w/o charge) the National Council of Examiners for Engineering and Surveying (NCEES) **FE Reference Handbook:** <http://ncees.org/exams/study-materials/download-fe-supplied-reference-handbook/> A searchable, electronic version of this same handbook will be displayed on your computer monitor during the FE Exam, so it is important that you become familiar with it!

Course Objectives: To review topics that will be covered in the Fundamentals of Engineering Examination. A full list of topics associated with each disciplinary exam may be found here: <http://ncees.org/exams/fe-exam/>

Attendance Policy: To pass the course (P/F), you must attend ALL class sessions. No exceptions!
ATTENDANCE WILL BE TAKEN EACH WEEK starting on 26 January.

Grading: If you attend every class, you will receive a 'P' (Pass). If you miss one or more classes, you will receive an 'F' and fail the course. There are no exams in CE 411.

TOPICAL SCHEDULE – subject to change

Date	Topic	Instructor
Tuesday, 19 January	Course Introduction	Dr. P. Colberg
Tuesday, 26 January	Statics	Mr. J.J. Petersen
Tuesday, 2 February	Fluid Mechanics	Dr. T. Xing
Tuesday, 9 February	Dynamics	Dr. M. Riley
Tuesday, 16 February	Mechanics of Materials	Dr. R. Stephens
Tuesday, 23 February	Thermodynamics	Dr. D. Cordon
Tuesday, 1 March	Ethics/Engineering Economics	Dr. M. Lowry

Disability Support Services Reasonable Accommodations Statement: Reasonable accommodations are available for students who have a documented or permanent disability. All accommodations must be approved through Disability Support Services located in the Idaho Commons Building, Room 306 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course. (DSS phone: 885-6307, email: dss@uidaho.edu, website: www.uidaho.edu/dss)

University of Idaho Classroom Learning Civility Clause: In any environment in which people gather to learn, it is essential that all members feel as free and safe as possible in their participation. To this end, it is expected that everyone in this course will be treated with mutual respect and civility, with an understanding that all of us (students, instructors, professors, guests, and teaching assistants) will be respectful and civil to one another in discussion, in action, in teaching, and in learning. Should you feel our classroom interactions do not reflect an environment of civility and respect, you are encouraged to meet with your instructor during office hours to discuss your concern. Additional resources for expression of concern or requesting support include the Dean of Students office and staff (5-6757), the UI Counseling & Testing Center's confidential services (5-6716), or the UI Office of Human Rights, Access, & Inclusion (5-4285). **We will maintain a distraction free classroom environment during our CE 411 meetings. Cell phones need to be turned-off and stored during class time. Cell phone use is strictly prohibited in the classroom as they cause significant distraction to you, other students, and to the instructor.**