

# ENGR 1100 – Introduction to Engineering Spring 2018

## GENERAL INFORMATION

Class Hours: TR 9:30 a.m. -10:15 p.m  
Class Location: Annex #2, room 122  
Instructor: Dr. Cameron Coates  
Office: UH251  
Phone: (912) 344 2693  
Email: [cameron.coates@armstrong.edu](mailto:cameron.coates@armstrong.edu)  
Office Hours: M 1300-1500, T1300-1400 W1500-1700  
Text book: No text requirement.

References: A Users guide to Engineering, J. Jensen

## PREREQUISITES

MATH 1111

## OBJECTIVES

The main objective of this course is to introduce fundamental engineering concepts that are relevant to all engineering disciplines. Specifically, the course is designed to excite students about engineering, cultivate problem-solving skills, cultivate professionalism and emphasize the importance of communication skills. The engineering design process is also introduced and put into practice in a final design project.

## GRADING POLICY

The grading policy will be based on:		Final grades will be assessed as:
Projects	30%	A - (90 - 100)
		B - (80 - 89)
Assignments	20%	C - (65 - 79)
3 Exams	30%	D - (50 - 64)
Final Exam	20%	F - (< 50)

The instructor may adjust the grading depending on his discretion, which might be based on class average and standard deviation.

The instructor reserves the right to adjust the grading percentages and scale if he/she deems it necessary.

## Homework Assignments

Homework assignments will be assigned once every 1-2 weeks. Homework assignments are for practice only and may or may not be collected. However, the quiz material will primarily come from the homework assignments.

## Projects

Projects will be based on the material covered in class and the homework assignments with an emphasis on problem solving, design and case studies. Projects will usually be due 2-3 weeks from the date they are assigned. All projects are to be submitted in the required format. Late work is accepted, however the following grade reductions will be enforced: submitted <1 day: -20%, 1 day<submitted<2 days:-30%, 2<submitted<3 days: -40%. Projects are due at the BEGINNING of class held on the due date specified on the assignment.

## Exams

Exams will be closed book and closed notes (unless specified otherwise) and are to be individual effort.

Exams will cover all course material (lectures, handouts, reading assignments, etc.) up to the class period before the exam unless designated otherwise on the syllabus. No makeup exams will be given unless written documentation is provided that verifies a medical emergency or family crisis.

### **Campus Carry**

It is the responsibility of every individual who would like to carry a concealed weapon to first verify that the area where they are carrying it meets the requirements of HB 280. If you intend to carry a conceal weapon, it is essential that you visit <http://www.usg.edu/hb280> and follow ALL USG rules for this activity.

### **Computer Labs and tutoring**

The ES program has free tutoring specifically for engineering students, located in University Hall room 240, Monday through Thursday 9 a.m. - 5 p.m. The CST tutoring center also provides free tutoring for most lower level mathematics and science courses. <https://www.armstrong.edu/science-technology/cst-tutorial-center> The College of Science and Technology Lab (SC 129) has Microsoft Office, MATLAB, AUTOCAD, SolidWorks, Adobe Acrobat Reader and other engineering software. SC129 is available to all students for general use.

### **Class Attendance**

Students are expected to attend class, bring their textbooks, writing material or tablets, external storage media, etc., and are responsible for all topics covered in class. Disruption of class (use of cell phones, playing on the computer, talking, sleeping, etc.) will not be tolerated. A warning will be given the first time and you will be asked to leave the class on further instances.

### **Class Tardiness**

Students are expected to come to class on time. If you are more than 5 minutes late, there is a possibility you may not be allowed to enter the class. Emergency situations (with the instructor's approval; written documentation required) will be taken on a case by case basis.

### **Academic Integrity Policy:**

Violations of the Armstrong State University Academic Integrity Policy (including cheating and plagiarism) are taken very seriously. Any violation of this policy will become part of the student's permanent educational record. More information on the Academic Integrity policy and procedure can be found at <https://www.armstrong.edu/administration/student-integrity-academic-integrity-policy>.

### **Title IX Clause:**

Armstrong is dedicated to providing a safe and equitable learning environment for all students. Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the Title IX Office in Victor Hall Room 245 or by email: [diversity@armstrong.edu](mailto:diversity@armstrong.edu). This is important for the safety of the whole Armstrong community. Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person. The University Counseling Center provides 24/7 confidential support, and the [http://www.armstrong.edu/counseling\\_center](http://www.armstrong.edu/counseling_center) describes reporting options and other resources.

### **Disability Related Accommodations**

Armstrong State University is committed to providing reasonable accommodations to students with documented disabilities, as required under federal law. Disabilities may include learning disabilities, ADD, psychological disorders, brain injury, Autism Spectrum Disorders, serious chronic medical illnesses, mobility impairment, communication disorders, vision or hearing loss or temporary injuries. The purpose of disability accommodation is to provide equal access to the academic material and equal access to

demonstrate mastery of the material. Students with disabilities must meet all the academic requirements and standards of the class, including the attendance policy. If you have a disability and need accommodations, please contact the Office of Disability Services, located on the second floor of Memorial College Center, room 208. You will need to meet with Disability Services Staff, who can help you gather documentation of your disability or refer you to an appropriate resource for assessment. Once documentation of the disability is gathered and approved, Disability Staff will provide you with an Accommodation Letter, detailing the appropriate, approved accommodations, which you should present to me so we can discuss and implement your accommodations. Disability accommodations work best starting at the beginning of the semester, but can be approved and started at any point in the semester. Accommodations start at the time the Accommodation Letter is presented to faculty, within reasonable timelines. Accommodations are not given retroactively. Accommodations are not part of your academic transcript.

### **IMPORTANT DATES**

Tests/Quizzes: See schedule

First day of classes: Monday, Jan 8

Last day to withdraw without automatic academic penalty of WF: Wed, Feb 28

Last day of classes: Friday, April 27

No class: Monday, Jan 15, MLK Day

No class: Mar 12-16 Spring Break

Final Exam: Thursday, May 3<sup>rd</sup>, 0800-1000, Annex #2, rm 122.