

ENGR 102: Freshman Academy – Fall 2014

Instructor

Prof. Andrea Armani, Dept. of Chemical Engineering and Materials Science, VHE 712,
armani@usc.edu

Sections

Wednesday, 10am - 11:50am, DRB 146

Wednesday, 12pm - 1:50pm, DRB 146

Coaches:

Juliana Porter jeporter@usc

Shira Bernard, shira.bernard@usc

Sara Proctor, smprocto@usc

Blake Ives, bives@usc

Course Vision:

This course has three primary goals: 1) introduce you to the profession of engineering, 2) explain the ethical, political and societal consequences of engineering innovations and the impact of engineering on everyday life and 3) involve you in team projects and guest lectures. To achieve these three goals, throughout the semester, we will have both in-class and out-of-class activities and projects. We will also tour labs on campus, so you can see engineering in practice. Additionally, there are out-of-class lectures with engineers who are leaders in their field.

Grading:

100% of your grade is based upon attendance and participation in class and in the outside of class events (lectures, coaches' activities). Just to be clear, there are very few ways that you could not pass this class. However, it has happened.

Class: You must attend all classes with one excused absence, unless you are sick or have pre-approval for a school-related activity (athletics or academic). You do not need to bring a doctor's note. But you must email Prof. Armani in advance of class.

Lectures: Unless you have a documented reason (eg athletics, course conflict), you are required to attend at least 2 of the 3 "All Academy Lectures". These will be posted on Blackboard. If you are unable to attend, there are instructions for making up the lectures on Blackboard.

Out of class events: You must attend at least one of the out of class events organized by the coaches.

Individual meetings: During the semester, the coaches will arrange an individual one-on-one meeting with you. This is mandatory.

Expectations/Information for Assignments, Exams and Papers:

By the very nature of the course, there are very few homework assignments. However, those that are assigned are designed for your benefit. Homework is posted on Blackboard. It is your responsibility to download and complete the homework on time.

Project(s): There are several in-class projects. As all projects can be completed during class, your participation in and completion of the projects is expected.

Course Outline: *(subject to change)*

	Hour 1	Hour 2	Due
8/27	Overview	Name games	
9/3	Coaches Day	Coaches Day	
9/17	Career Services	Boats	HW1 due
9/24	PhD Programs	Helicopters	
10/1	Viterbi resources	Lab Tours	
10/8	Advisement	Bridge building	HW 2 due
10/15	Student Panel	Birthday	
10/22	Activity	Activity	
10/29	class cancelled	class cancelled	
11/5	Activity	Activity	
11/12	Activity	Activity	
11/19	Activity	Activity	
11/26	class cancelled	class cancelled	
12/3	Competition	course evaluation	

Related Course Activities:

- **Spotlight Series**, all lectures at 6pm, RTH 211
- **All Academy Lectures**, dinner at 5:30, lecture at 6:00 pm, SGM 123

Statement of Students with Disabilities:

And student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or the TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30am – 5:00pm, Monday through Friday. The phone number for DSP is (213) 740-0776.