

CASPER COLLEGE COURSE SYLLABUS
ES 1000 Introduction to Engineering Orientation

Semester/Year: Fall 2015

Lecture Hours: 1

Lab Hours: 0

Credit Hours: 1

Class Time: 1:00 – 2:50 pm

Days: F

Room: PS 214

Instructor's Name:

Paul Marquard

Office Phone: (307) 268-2250

Email:

marquard@caspercollege.edu

Instructor's Contact Information: E-mail is the easiest way to get in touch with the instructor; e-mail is checked continuously while in the office and is checked at home multiple times. You may also call the instructor's office at any time; if the instructor is not available, leave a voice mail and your call will be returned as soon as possible.

Office Hours: MTTh 10 – 10:50 AM, T 1 – 1:50 PM, Th 11 – 11:50 AM or By Appointment

Course Description: Orientation course to provide students with exposure to all forms of engineering.

Statement of Prerequisites: none

Goal: This course is intended to provide a brief introduction to the world of engineering, the engineering profession, and the various disciplines that make up the engineering field.

Outcomes: Upon completing this course, students will have

- an introduction to the world of engineering and design.
- exposure to the various disciplines within the engineering field and the engineering profession.
- gained familiarity with the library on campus, its services, and research tools.
- conducted a small research project on a particular engineering discipline and presented the results to the class.
- an opportunity to visit and tour some manufacturing facilities or engineering sites in the Casper area.
- demonstrated effective oral and written communication.
- used the scientific method.
- used appropriate technology and information to conduct research.
- described the value of personal, civic, and social responsibilities.

Methodology: The course will consist of lectures, library work, design work, and presentations as well as tours of some engineering firms or manufacturing facilities. Students will be required to research a particular engineering discipline, prepare a short PowerPoint presentation, and present their findings to the class.

Evaluation Criteria: Grades will be based on attendance, design project, and the research project/presentation.

This grading scale may be lowered at any time. It will never be raised.

Attendance (5 points per day): 40
Research Project/Presentation: 60
Design Project and Log Book: 50

Grades:

A 135 - 150
B 120 - 134
C 105 - 119
D 90 - 104
F 0 - 89

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Required Text, Readings, and Materials: none

Class Policies:

You are encouraged to discuss course topics and assignments with one another. Work not picked up by the end of the semester becomes the property of the instructor. All graded material must be saved in case the instructor loses the grades on the computer.

Last day to change to an audit or withdraw from the course is Nov 12, 2015.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

TENTATIVE COURSE SCHEDULE (Subject to Change)

Week	Chapter Section Readings	Comments
Aug 28	Syllabus, Design & Paper Discussion	
Sept 4	St. Louis Arch and Mt. Fuji	
Sept 11	Library Orientation	
Sept 18	Design or Field Trip 1	
Sept 25	Design or Field Trip 2	
Oct 2	Design or Field Trip 1	
Oct 9	Design or Field Trip 2	
Oct 16	Design or Field Trip 1	
Oct 23	Design or Field Trip 2	
Oct 30	Design or Field Trip 1	
Nov 6	Advising	
Nov 13	Design or Field Trip 2	
Nov 20	Presentations 1	
Dec 4	Presentations 2	
Dec 11	UW Senior Design Symposium	