

Basic Course Information

Semester:	Fall 2016	Instructor Name:	Jeronimo N Garay
Course Title & #:	Statics Engineering 210	Email:	Jeronimo.garay@imperial.edu
CRN #:	10068	Webpage (optional):	
Classroom:	3112	Office #:	2789.1
Class Dates:	Aug 15 to Dec 9 2016	Office Hours:	M,W,F 10:05-11:05 and T,TH 8:00-11:00
Class Days:	T, TH	Office Phone #:	(760) 355-6438
Class Times:	11:20-12:45	Emergency Contact:	(760) 353-7749 Home
Units:	3 Units		

Course Description

The study of the course includes: force systems, equilibrium, structures, distributed forces, friction, virtual work, moments of inertia ,and vector algebra.

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

- 1. Solve problems involving forces in equilibrium*
- 2. Solve problems involving vector algebra.*
- 3. Solve problems involving friction.*
- 4. Solve problems dealing with structures and distributed forces.*
- 5. Solve problems involving moments of inertia*

Course Objectives

Upon satisfactory completion of the course, students will be able to:

- 1. Solve problems involving statics of particles .**
- 2. Solve problems involving equivalent systems of forces in rigid bodies.**
- 3. Solve problems involving equilibrium of rigid bodies.**
- 4. Solve problems involving centroids and centers of gravity.**

5. Solve problems involving analysis of structures.
6. Solve problems involving forces in beams and cables.
7. Solve problems involving friction.
8. Solve problems involving moments of inertia.
9. Solve problems involving the method of virtual work.

Textbooks & Other Resources or Links

Beer, Johnston, vector mechanics for engineering (11th/e).
 Hibbeler, Russell C. Principles of Statics Prentice Hall.
 Bedford, Anthony M. Engineering Mechanics-Statics. Prentice Hall.

Course Requirements and Instructional Methods

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement. *Out of class assignment includes 60 to 100 exercises per week as homework and reading the book. In class assignments include cooperative learning solving problems in group.*

Course Grading Based on Course Objectives

Grading Policy: The semester grade will be based on an accumulation of points

	Points	Points Accumulated	Percent /Grade
Tests: Midterm	400	900-1000	90-100/A
Quizzes: 12.5 points each (8 quizzes will be given)	100	800-899	80-89/B
Homework: 20 points each (10 home-works will be given)	200	700-799	70-79/C
Final Exam	300	600-699	60-69/D
Total Points	1000	0-599	0-59/F

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- **Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **Learning Services.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **Library Services.** There is more to our library than just books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **[Student Health Center](#)**. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **[Mental Health Counseling Services](#)**. Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

ENGINEERING 210 OUT-LINE

	<i>DATE</i>	<i>DAY</i>	<i>SECTIONS COVERED</i>
<i>WEEK #1</i>	<i>August 16</i>	<i>T</i>	<i>Introduction 1.1, 1.2, 1.3</i>
	<i>August 18</i>	<i>TH</i>	<i>1.4, 1.5, 1.6</i>
<i>WEEK #2</i>	<i>August 23</i>	<i>T</i>	<i>2.1</i>
	<i>August 25</i>	<i>TH</i>	<i>2.2, Homework Chapter 1 Due</i>
<i>WEEK #3</i>	<i>August 30</i>	<i>T</i>	<i>2.3, 2.4</i>
	<i>September 1</i>	<i>TH</i>	<i>2.5</i>
<i>WEEK #4</i>	<i>September 6</i>	<i>T</i>	<i>3.1</i>
	<i>September 8</i>	<i>TH</i>	<i>3.2, Homework Chapter 2 Due</i>
<i>WEEK #5</i>	<i>September 13</i>	<i>T</i>	<i>3.3, 3.4</i>
	<i>September 15</i>	<i>TH</i>	<i>4.1</i>
<i>WEEK #6</i>	<i>September 20</i>	<i>T</i>	<i>4.2</i>
	<i>September 22</i>	<i>TH</i>	<i>4.3, Homework Chapter 3 Due</i>

WEEK #7	September 27	T	5.1
	September 29	TH	5.2, Homework Chapter 4 Due
WEEK #8	October 4	T	5.3, 5.4
	October 7	TH	Homework Chapter 5 Due, Midterm
WEEK #9	October 11	T	6.1, 6.2
	October 13	TH	6.3
WEEK #10	October 18	T	6.4, 7.1
	October 20	TH	7.2, Homework Chapter 6 Due
WEEK #11	October 25	T	7.3, 7.4
	October 27	TH	7.5
WEEK #12	November 1	T	8.1, 8.2
	November 3	TH	8.3, Homework Chapter 7 Due
WEEK #13	November 8	T	8.4, 9.1
	November 10	TH	9.2
WEEK # 14	November 15	T	9.3, 9.4
	November 17	TH	9.5, Homework chapter 8 Due
WEEK #15	November 29	T	9.6, 10.1
	December 1	TH	10.2, Homework Chapter 9 Due
WEEK #16	December 6	T	Chapter 10 Homework due, Final

*****Tentative, subject to change without prior notice*****