

### Basic Course Information

Semester	<b>Spring 15</b>	Instructor Name	<b>Jose Velasquez</b>
Course Title & #	<b>BLDC 140</b>	Email	<b>Jose.velasquez@imperial.edu</b>
CRN #	<b>20020</b>	Webpage (optional)	
Room	<b>3117</b>	Office	<b>3118</b>
Class Dates	<b>4/17-6/12</b>	Office Hours	<b>M-R 1:00-4:00pm</b>
Class Days	<b>T Lecture R Laboratory</b>	Office Phone #	<b>(760) 355-5758</b>
Class Times	<b>T 8:35 -9:25 am R 9:35-11:00am</b>	Office contact if student will be out or emergency	<b>(760) 623-6274</b>
Units	<b>3.0</b>		

### Course Description

This course will introduce students to construction methods and materials, the characteristics of materials, and construction processes. Methods, equipment, personnel, regulatory organizations, and safety considerations which are common factors in the construction industry will be discussed.

### 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. Describe techniques that may be used to guard against termite damage, including termite shields, treated lumber, and poisoning the soil around the structure. (ILO1, ILO2)
2. Describe the proper procedures that can be used to attach a sill to a foundation wall. (ILO1, ILO2, ILO4)
3. Demonstrate and understand the rule of thumb to determine the size of beams in relation to the rough opening needed for support in a structure. (ILO2, ILO3)

### Course Objectives

Upon successful completion of this course, the students will:

1. Demonstrate knowledge and understanding in industrial safety related to construction.
2. Demonstrate knowledge and understanding in the characteristics of materials
3. Demonstrate knowledge and understanding in construction processes
4. Demonstrate knowledge and understanding in methods, equipment, personnel, regulatory organizations.

### Textbooks & Other Resources or Links

**Modern Carpentry** Essential Skills for the Building Trades 11<sup>th</sup> Edition , Willis H.Wagner & Howard Bud Smith

### Course Requirements and Instructional Methods

#### Required Information—discretionary language

This section is where faculty would list detailed information related to types of class activities, assignments, tests, homework, etc.

**Read chapter 3 and analyze the various construction contract delivery methods.**

**Photograph several local projects. Identify the designer, builder, and owner of the project. How long did the project take to be designed and built?**

**What was the approximate cost of the project?**

**Identify the project category. Present your findings to the class.**

#### Reading and Writing:

**Write a 2000 word essay comparing the following delivery methods: Design-Bid-Build, Design-Build, and Construction Project Management. Report will be shared and discussed in class.**

**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.**

### Course Grading Based on Course Objectives

**A= 90%-100% Excellent**

**B= 80%-89% Good**

**C= 70%-79% Satisfactory**

**D= 60%- 69% Pass, less than satisfactory**

**F= 59%&Below Failing**

The course grade will be determined by various factors such, as class participation, classroom assignments, chapter reviews & drawing project, midterm & final exams. The grading range is as follows:

<b>Class Participation</b>	<b>25%</b>
<b>Laboratory</b>	<b>25%</b>
<b>Midterm</b>	<b>25%</b>
<b>Final Exam</b>	<b>25%</b>

**Attendance, Late Assignments:**

**Absences and tardiness provide an opportunity to miss valuable instruction presented by the instructor, guest speakers, and site administrators. Tardiness will contribute to lower scores on assignments and subsequently a lower course grade. All assignments are due on the specified completion dates and all students have the same and equal time to complete all assignments as per the course calendar. Considerations will be given to those late assignments accompanied by a written medical statement from a physician. 25% of possible points will be penalized for late work. Any assignment can be turned in prior to the due date!**

### **Attendance**

#### **Required language**

- 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**

#### **Required Information --Discretionary language**

**This is where an instructor explains his/her policy on these matters. Here is some suggested language:**

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. **Consider:** specifics for your class/program
- 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.

- 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.

### Academic Honesty

#### Required Language

- 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 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 School 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 Help – Discretionary Section and Language

**The instructor can add the information pertinent to his or her class here. Some suggested language:**

- Blackboard support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- 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)

**Required Language:** 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, if you feel you need to be evaluated for educational accommodations.

### Student Counseling and Health Services

**Required Language:** Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

### Student Rights and Responsibilities

**Required Language:** Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog

available online at

[http://www.imperial.edu/index.php?option=com\\_docman&task=doc\\_download&gid=4516&Itemid=762](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

**Information Literacy**

**Required Language:** Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

**Anticipated Class Schedule / Calendar**

**Required Information –Discretionary Language and Formatting:** The instructor will provide a tentative, provisional overview of the readings, assignments, tests, or other activities for the duration of the course. The faculty may find a table format useful for this purpose.

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1	Course Introduction	
Week 2	OSHA/Construction Safety	
Week 3	Framing Walls	
Week 4	Framing Roofs	
Week 5	Foundations	
Week 6	Drywall Types and Uses	
Week 7	Insulating Walls and Ceilings	Midterm
Week 8	Spring Recess (April 6-11)	
Week 9	Lath Installation	
Week 10	Residential & Commercial Plastering	
Week 11	Residential Plumbing	
Week 12	Flooring	
Week 13	Electrical Wire Installation	
Week 14	Permit Application/Process	
Week 15	Special Projects	
Week 16	Special Projects	Final Exam