

**Basic Course Information**

Semester	<b>Spring 16</b>	Instructor Name	<b>Jose Velasquez</b>
Course Title & #	<b>BLDC 185</b>	Email	<b>Jose.velasquez@imperial.edu</b>
CRN #	<b>20900</b>	Webpage (optional)	
Room	<b>3117</b>	Office	<b>3118</b>
Class Dates	<b>2/16-6/10</b>	Office Hours	<b>M-R 1:00-4:00pm</b>
Class Days	<b>MW Lecture MW Laboratory</b>	Office Phone #	<b>(760) 355-5758</b>
Class Times	<b>MW 8:00 -9:05 am MW 9:15-12:15pm</b>	Office contact if student will be out or emergency	<b>(760) 623-6274</b>
Units	<b>4.0</b>		

**Course Description**

This course is the study of concrete construction to include the skills and understanding necessary for the entry-level cement mason to locate, layout, and complete the formwork for footings. Included will be elements of flatwork concrete construction and decorative non-traditional detail work.

**Student Learning Outcomes**

**Critical Thinking Skills**

Students will identify and describe the various steps of pouring and finishing concrete.

**Information Literacy**

Students will be able to compare the typical concrete mix proportions in relation to the amount of water used to mix the concrete, as evidenced by research on the effects of excessive water in concrete.

**Course Objectives**

Upon successful completion of this course, the students will:

1. Demonstrate safe work practices.
2. Upon successful completion of this course, the students will:
3. Demonstrate safe work practices.
4. Explain the advantages /disadvantages to the different types of forms and formwork techniques.
5. Describe the three fundamental types of footings.
6. Calculate concrete volume (cubic yards) to flatwork (square footage).
7. Detail the location of joints, expansion joints, control joints, and edging.
8. Explain the differences in finishing techniques between decorative concrete and conventional.

**Textbooks & Other Resources or Links**

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

**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.**

Visit a building supply center and obtain descriptive literature about floor and roof decking that can be used in post-and-beam construction. Include both solid and laminated planks and composition panels. Be sure to obtain price. Thoroughly study these materials for qualities, characteristics, and installation procedures.

Reading and Writing:

Write a 2000 word report that 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
--------------	------------------------------------	------------------------

Imperial Valley College Course Syllabus – Course Title and number

---

<b>Week 1</b>	<b>Introduction/Safety</b>	
<b>Week 2</b>	<b>Concrete materials</b>	
<b>Week 3</b>	<b>Reinforcing concrete</b>	
<b>Week 4</b>	<b>Estimating for concrete &amp; materials</b>	
<b>Week 5</b>	<b>Form Safety&amp; Types of Formwork</b>	
<b>Week 6</b>	<b>Foundations</b>	
<b>Week 7</b>	<b>Flatwork Construction</b>	<b>Midterm</b>
<b>Week 8</b>	<b>Concrete Finishing</b>	
<b>Week 9</b>	<b>Detail Finishing (joints &amp; edging)</b>	
<b>Week 10</b>	<b>Special types of concrete</b>	
<b>Week 11</b>	<b>Types of Footings</b>	
<b>Week 12</b>	<b>Releases and Colored concrete</b>	
<b>Week 13</b>	<b>Concrete Stamping</b>	
<b>Week 14</b>	<b>Decorative concrete</b>	
<b>Week 15</b>	<b>Special Project</b>	
<b>Week 16</b>	<b>Final Exam</b>	