IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	Fall 2022	Instructor Name:	Luis Andrade
Course Title & #:	BLDC 185	Email:	luis.andrade@imperial.edu
CRN #:	10671	Webpage (optional):	
Classroom:	3117	Office #:	
Class Dates:	8/15/2022 to 12/10/2022	Office Hours:	Per Appointment
Class Days:	Tuesday and Thursday	Office Phone #:	
Class Times:	3:15 PM to 7:35PM	Emergency Contact:	Department Office (760)355-6217
Units:	4	Class Format:	In Person

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. (CSU)

Course Prerequisite(s) and/or Corequisite(s)

Recommended but not required: MATH 091, ENGL 009, BLDC 145, BLDC 101

Student Learning Outcomes

Upon completion of this course, the student should acquire the necessary skills and understanding for an entry level position as an apprentice carpenter in the concrete industry.

Course Objectives

To teach students basic skills used in the concrete industry. To have students acquire a proficient understanding of how to read a tape measure, and how to utilize mathematical formulas for cement work. Furthermore the student will have gained the necessary core skills needed in the industry to safely and efficiently perform the duties of a first period apprentice carpenter. The following core skills include but are not limited to; the safe use of hand and power tools, fall protection and personal protective equipment (PPE). Demonstrate responsible behavior by exhibiting good attendance and reliability by showing up to class on time and prepared to work

Textbooks & Other Resources or Links

Click on the canvas link on the "for students" drop down box. Textbook: Modern Carpentry 13th Edition. Work clothing and safety approved work boots is a must.

Course Requirements and Instructional Methods

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 and homework assignments, midterm & final exams.

The grading range is as follows:

Class Participation and Attendance 12.5%

Homework Assignments 12.5%

Projects 25%

Midterm 25%

Final Exam 25%

Attendance and 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. 20% of possible points will be penalized for late work. Any assignment can be turned in prior to the due date.

Course Policies

Students are to come prepared and on time for class.

Work Clothing should be long sleeves, denim or canvas pants, and good quality work boots.

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 absence exceed the number of hours the class is scheduled to meet per week 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.

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the importance 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 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.

Other Course Information

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, only students enrolled in the class may attend; children are not allowed.

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

IMPERIAL VALLEY COLLEGE

Date or Week	*Activity, Assignment or Topic*	*Pages, Due Date, or Tests*
Week 1: August 15th to 21st	*Syllabus & Introduction. Fractions of the inch and reading a measuring tape.* *Lab: Tape Measures, Laser level, & builders level set up.*	
Week 2: August 22nd to 28th	*Add, Subtract, multiply, & divide fractions.* *Lab: Shoot elevations with laser and builders' level.*	
Week 3: August 29th to September 4th.	*Converting feet, inches, & fractions of an inch, to tenths & Hundreds of a foot.* *Lab: Form work practice for footings and curbs.*	
Week 4: September 5th to 11th.	*Volume formulas and concrete take off.* *Lab: Batter boards and form setting.*	
Week 5: September 12th to 18th.	*Job hazards and good practices in the Concrete Industry.* *Lab: Safety practices, safety equipment, and good practices.*	
Week 6: September 19th to 25th.	*The material and chemical composition of concrete mix.* *Lab: Using different aggregates and chemicals in concrete.*	
Week 7: September 26th to October 2nd.	*Introduction to Structural Concrete.* *Job Hazard Analysis.* *Lab Project: columns and walls.*	
Week 8: October 3rd to 9th.	***Midterm***	
Week 9: October 10th to 16th.	*Introduction to decorative Concrete.* *Lab: Place and finish decorative Concrete with different forms, color and stamps.*	
Week 10: October 17th to 23rd.	*3D printing and its use in the Concrete industry.* *Lab: Repairs in concrete and finishes after repair.*	

Week 11: October 24th to 30th.	*Energy efficiency and the Concrete industry.* *Lab: Insulating Concrete.*	
Week 12: October 31st to November 6th.	*The use of concrete in residential finishes.* *Lab: Concrete countertops.*	
Week 13: November 7th to 13th.	*The future of the concrete industry.* *Lab: Experimenting with non traditional concrete finishes in construction.*	
Week 14: November 14th to 20th.	*Introduction to group project.* *Lab: Group project.*	
Week 15: November 21st to 27th.	***Thanksgiving Break***	
Week 16: November 28th to December 4th.	*Review* *Lab: Group Project*	
Week 17th: December 5th to 10th.	***Final***	

*****Subject to change without prior notice*****