

Imperial Valley College
Industrial Technology Division
BLDC 145 Concrete Formwork, Layout, and Setting
Fall 2013

Instructor: Mr. Velasquez
Email- jose.velasquez@imperial.edu

Phone (760) 623-6274
355-6758 IVC EXT #6758
Office: 2100 BLDG

Office Hours

Monday 2:30pm- 4:00pm
Tuesday 1:00pm- 2:00pm
Wednesday 2:30pm- 4:00pm
Thursday 1:00pm- 2:00pm
Friday

By appointments only

Monday 4:00pm- 6:00pm
Tuesday 2:00pm- 3:00pm
Wednesday 4:00pm- 6:00pm
Thursday 2:00pm- 4:00pm
Friday 1:00pm- 4:00pm

Division Office: 10
Division Coordinator: Jose Lopez (760) 355-6361 Fax: (760) 355-6552
Units: 3
Semester: Fall 2013 August 19- December 7
Class: Tuesday and Thursday 10:15am- 11:05am Lecture
Tuesday and Thursday 11:15am – 12:45am Laboratory

Location: Room 1402

I. Fall 2013 Important Dates

August 19- September 4 September 2	Late Registration Holiday-Labor Day; no classes Deadline to Drop full –term classes without owing fees and/ or be eligible for refund. Deadline to select CR/NC grading option for coursed with that option
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November 11

Holiday- Veterans' Day

November 28-30	Holiday- Thanksgiving- No classes Thursday, Friday, Saturday
December 2-7	Last week of classes including final examinations
December 9-13	No classes (College closed December 16-31)

II. Course Description

This course will introduce students to techniques, practices, and procedure in concrete formwork, layout, and settings, which will lead to employment in the cement mason occupations within the Building Construction Trades Industry.

III. Course Objectives

Upon successful completion of this course, the students will:
 Demonstrate the ability to understand and recognize concrete
 Understand various techniques and practices of pouring and finishing concrete.
 Demonstrate the ability to perform layouts and install forms
 Understand and be aware of cement mason occupations within the community

Student Learning Outcomes (SLO's)

Critical Thinking Skills

Students will be able to identify and describe the importance of the ingredients of concrete and the effect of water on concrete.

Information Literacy

In addition students will be able to compare and describe the tensile and compressive strength of concrete.

IV. Course instructional schedule

Week 1.	August 26		Introduction
	August 28	Laboratory	
Week 2	September 2		Concrete materials
Week 3	September 4	Laboratory	
	September 9		Reinforcing concrete
Week 4	September 11	Laboratory	
	September 16		Estimating for concrete & materials
Week 5	September 18	Laboratory	
	September 23		Special types of concrete
Week 6	September 25	Laboratory	
	September 30		Curing Methods and materials
Week 7	October 2	Laboratory	
	October 7		Footings/ foundations
Week 8	October 9	Laboratory	
	October 14		Midterm
Week 9	October 16	Laboratory	
	October 21		Establishing building lines
Week10	October 23	Laboratory	
	October 28		Types of slabs
Week 11	October 30	Laboratory	
	November 4		Form Safety
Week 12	November 6	Laboratory	

	November 11		Types of Formwork
Week13	November 13	Laboratory	
	November 18		Shoring
Week 14	November 20	Laboratory	
	November 25		Concrete finishing
Week 15	November 27	Holiday – Thanksgiving break	
	December 2		Decorative concrete
Week 16	December 4	Laboratory	
	December 9		Final Exams

Grading System:

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:

Class Participation	25%
Laboratory	25%
Midterm	25%
Final Exam	25%

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!

NonDiscrimination & Sexual Sexual Harrassment Policy

Imperial Valley College does not discriminate in the admission nor the offering of programs and activities because of ethnic group identification, national origin, religion, age, sex, race, color, medical condition, Vietnam era status, ancestry, sexual orientation, marital status, or physical or mental disability, or because he or she is perceived to have one or more of those characteristics.

All forms of harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as this policy, and will not be tolerated. The District is committed to providing an academic and work environment that respects that dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation.

The District seeks to foster an environment in which all employees and students feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, the District also strictly prohibits retaliation against any individual for filing a complaint of

harassment or for participating in a harassment investigation. Such conduct is illegal and constitutes a violation of this policy.

Limited English Speaking Students who are otherwise eligible, will not be excluded from any vocational education program.

Student Protective Equipment: Students are required to wear personal protective equipment during the lab sessions such as, safety glasses, work shoes, work clothes and any other equipment necessary.

1.Tardiness: 3 tardies = 1 absence. (I.V.C. Gen Catalog p.27) 2008-2009

2.Absences: 3 absences = automatic drop. (I.V.C.Gen. Catalog p. 27-28)2008-2009

Quote:

- Lily Tomlin

“The road to success is always under Construction”

Course Text

Residential Carpentry I. Foundations and Framing Prentice Hall

V. Students with Disabilities

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Program & Services (DSP&S) office for assistance as soon as possible.

DSP&S
Room 2117
Health Sciences Building
(760) 355-6312

(syllabus and assignment dates subject to change)