

Imperial Valley College
Industrial Technology Division
BLDC 180 Building Planning and Cost Estimation
Fall 2012

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

Phone (760) 412-0641
355-6758 IVC EXT #758
Office: 2100 BLDG

Office Hours

Monday 1:00pm- 2:30pm

Tuesday 1:00pm- 2:30pm

By appointments only

Monday 5:00pm- 6:00pm

Tuesday 3:00pm- 6:00pm

Wednesday 1:00pm- 2:00pm

Thursday 1:00pm- 2:00pm

Friday 1:00pm- 5:00pm

Division Office: 10

Division Coordinator: Jose Lopez (760) 355-6361 Fax: (760) 355-6552

Units: 3

Semester: Fall 2006 August 20- December 7

Class: Monday 6:15pm- 8:10pm Lecture Room 1603
Wednesday 6:15pm – 9:30pm Laboratory Room 1603

Location: Room 1603

I. Course Description

This course will present the subjects of planning and cost estimating to develop the knowledge of material determination, production quantities, and cost associated with construction. Included will be the understanding of the relationship between planning, estimating, and cost accounting in construction.

II. Course Objectives

Upon successful completion of this course, the students will:

1. Demonstrate knowledge and understanding in planning preparation
2. Demonstrate knowledge and understanding in cost estimating
3. Demonstrate knowledge and understanding in material estimating
4. Demonstrate knowledge and understanding in cost accounting in construction

Course Outcomes

1. Interpret Blueprints in order to generate material takeoffs and estimate labor costs and project profits. (critical thinking skills)
2. Demonstrate positive work ethics and demonstrate ability to work well with others and perform group tasks in a timely manner. (personal Responsibility)
3. Differentiate between conceptual and square foot estimates. (critical thinking skills)

III. Course instructional schedule

Week 1.		Introduction
	Chapter 1	Industry and the project
Week 2	Chapter 1	
	Chapter 2	The project management process
Week 3	Chapter 2	
	Chapter 3	Construction contracts and delivery methods
Week 4	Chapter 3	
	Chapter 4	Estimating Fundamentals
Week 5	Chapter 4	
	Chapter 5	Conceptual and Square Foot Estimating
Week 6	Chapter 5	
	Chapter 6	Assemblies Estimating
Week 7	Chapter 6	
	Chapter 7	Detailed estimating
Week 8	Chapter 7	Estimating project begins
		Midterm
Week 9	Chapter 8	Scheduling fundamentals
	Chapter 8	
Week10	Chapter 9	Network construction
	Chapter 9	
Week 11	Chapter 10	Activity duration and network calculations
	Chapter 10	
Week 12	Chapter 11	Fundamentals and project control
	Chapter 11	
Week13	Chapter 12	Cost, schedule, and resource control
	Chapter 12	
Week 14	Chapter 13	Updating the project: Control in Practice
	Holiday Thanksgiving	
Week 15		Project Presentations
		Project Presentations
Week 16		Project presentations
		Final Exams

Grading System:

A= 90%-100%

B= 80%-89%

C= 70%-79%

D= 60%- 69%

F= 59%& Below

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

Class Participation	10 %
Chapter Reviews	15%
Estimating Project	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!

1.Tardiness: 3 tardies = 1 absence. (I.V.C. Gen Catalog p.27) 2005-2006

2.Absences: 3 absences = automatic drop. (I.V.C.Gen. Catalog p. 27-28)2005-2006

Course Text

Managing The Construction Process, Frederick E. Gould. 4th Edition.

IV. Students with Dissabilities

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