

Basic Course Information

Semester:	Spring 2025	Instructor Name:	Luis Andrade
Course Title & #:	BLDC 180	Email:	luis.andrade@imperial.edu
CRN #:	20443	Webpage (optional):	
Classroom:	3117	Office #:	
Class Dates:	02/10/25 to 06/06/25	Office Hours:	Per Appointment
Class Days:	Tuesday and Thursday	Office Phone #:	
Class Times:	3:15 PM to 4:20 PM; 4:30 PM to 5:55 PM	Emergency Contact:	DEPARTMENT OFFICE SECRETARY (760)355-6217
Units:	3	Class Format:	Face to Face.

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.

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

Recommended Preparation BLDC 110. Be able to read building plans.

Student Learning Outcomes

- 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 Critical Thinking Skills*

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*

Textbooks & Other Resources or Links

Managing The Construction Process, Frederick E. Gould/ Nancy Joyce. 4TH Edition

<https://www.pearson.com/en-us/subject-catalog/p/managing-the-construction-process/P200000001130/9780138135966>

Course Requirements and Instructional Methods

COURSE ACTIVITIES INCLUDE, LABORATORY ASSIGNMENTS, QUIZZES, CHAPTER REVIEWS, WRITTEN EXAMS, AND READING ASSIGNMENTS.

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:

Class Attendance and Participation 10% 100 Points

Quizzes and Assignments 15% 150 Points

Midterm 25% 250 points

Final Project 50% 500 points

Course Policies

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!

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.

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.

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. 4 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.



Other Course Information

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

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

Week 1 Industry and the project
Week 2 The project management process
Week 3 Construction contracts and delivery methods
Week 4 Estimating Fundamentals
Week 5 Conceptual and Square Foot Estimating
Week 6 Assemblies Estimating
Week 7 Detailed Estimating
Week 8 Scheduling fundamentals MIDTERM
Week 9 Network construction
Week 10 Activity duration and network calculations
Week 11 Spring Recess (campus closed) NO CLASSES
Week 12 Fundamentals and project control
Week 13 Cost, schedule, and resource control 5
Week 14 Final Project
Week 15 Final Project Presentation
Week 16 Final Project Presentation

Holidays:

February 14 and 17 th Presidents Day No Class

April 20th and 26th Spring Break No Class

May 26th Memorial Day No Class

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