



IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	Fall 2025	Instructor Name:	Luis Andrade
Course Title & #:	BLDC 110	Email:	luis.andrade@imperial.edu
CRN #:	11173	Webpage (optional):	luis@builtbyandrade.com
Classroom:	3117	Office #:	
Class Dates:	August 11- December 6	Office Hours:	Per Appointment
Class Days:	Tue/Thurs	Office Phone #:	
Class Times:	6:00-8:35 PM	Emergency Contact:	760-355-6217
Units:	3	Class Format/Modality:	In person

Course Description

This is an introduction to construction blueprint reading and specifications. Study of the methods of graphic representation of building materials, symbols, measurements, and interpretation of building codes.

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

None

Student Learning Outcomes

1. Demonstrate knowledge and understanding of construction drawings.
2. Demonstrate knowledge and understanding in reading drawings for trade information
3. Demonstrate the ability to complete construction drawings.
4. Demonstrate the ability to visualize 2d and 3d information.
5. Interpret Blueprints in order to generate material takeoffs and estimate labor costs and project profits.
6. Demonstrate positive work ethics and demonstrate ability to work well with others and perform group tasks in a timely manner.
7. Differentiate between extension and dimension lines.

Course Objectives

Upon successful completion of this course, the students will:

1. Demonstrate knowledge and understanding in Drawings (the language of the industry)
2. Demonstrate knowledge and understanding in reading drawings for trade information
3. Demonstrate knowledge and understanding in multifamily construction drawings.
4. Demonstrate knowledge and understanding in commercial construction drawings

Textbooks & Other Resources or Links

Print Reading for Construction, (Residential and Commercial) Walter C. Brown, Daniel P. Dorfmueller. 8th Edition
<https://www.g-wonlinetextbooks.com/print-reading-construction-ot-2023/>

Architect Ruler:

<https://www.amazon.com/Architectural-Architect-Triangular-Architects-Draftsman/dp/B08P2TJM7?gQT=1&th=1>

Sketching Pencils: <https://www.michaels.com/product/sketching-pencil-6-piece-set-by-artist's-loft-10335895>



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Sketching Pad:

<https://www.amazon.com/Engineering-Quadrille-Drafting-Blueprint-Architect/dp/B0DJ46KSHX?gQT=1&th=1>

Course Requirements and Instructional Methods

Course Format will be Face to Face for Lectures and Labs.

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of the 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. Considerations will be given to those late 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.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences. **Ultimately it is the student's responsibility to drop from the course, in the event that they stop coming to class. If a student fails to come to class and fails to drop out of the course they will be awarded a Letter grade on an F, for lack of participation in the course and required lab and lecture assignments.**
- **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, no one who is not enrolled in the class may attend, including children.
- Be respectful of fellow classmates at all times.

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 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 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. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not

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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.

Course Grading Based on Course Objectives

Course Grade will be based on a 1000point scale

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:

Attendance = 100points

Laboratory Project = 500points

Midterm = 200points

Final Exam = 200points

TOTAL POINTS = 1000points

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

Accessibility Statement

Imperial Valley College is committed to providing an accessible learning experience for all students, regardless of course modality. Every effort has been made to ensure that this course complies with all state and federal accessibility regulations, including Section 508 of the Rehabilitation Act, the Americans with Disabilities Act (ADA), and Title 5 of the California Code of Regulations. However, if you encounter any content that is not accessible, please contact your instructor or the area dean for assistance. If you have specific accommodations through **DSPS**, contact them for additional assistance.

We are here to support you and ensure that you have equal access to all course materials.



Financial Aid

Your Grades Matter! In order to continue to receive financial aid, you must meet the Satisfactory Academic Progress (SAP) requirement. Making SAP means that you are maintaining a 2.0 GPA, you have successfully completed 67% of your coursework, and you will graduate on time. If you do not maintain SAP, you may lose your financial aid. If you have questions, please contact financial aid at finaid@imperial.edu.

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

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1	Unit 1 Introduction to Print Reading	Dream House Wants
Week 2	Unit 2 Construction Math and Application	Dream House Inspo
Week 3	Unit 3 Reading Measuring Tools	Dream House Floorplan
Week 4	Unit 4 Lines and Symbols	Dream House Floorplan
Week 5	Unit 5 Freehand Technical Sketching	Dream House Elevations
Week 6	Unit 6 Pictorial Drawings	Dream House Elevations
Week 7	Unit 7 Orthographic Drawings	
Week 8	Unit 8 Reading Scales and Dimensioning Drawings	Midterm
Week 9	Unit 9 Specifications	Dream House Details
Week 10	Unit 10 Construction Materials	Dream House Details
Week 11	Unit 11 Plot Plans	Dream House Site Plan
Week 12	Unit 12 Foundation Prints	Dream House Foundation
Week 13	Unit 14 Commercial Framing Prints	Dream House Framing
Week 14	Unit 15 Plumbing Prints	Dream House Mechanical



Week 15	Unit 16 HVAC Prints	Final Exam
Week 16	No Classes	Campus Closed
Week 17	Dream House Final Project	

HOLIDAYS

Sep 1 - Labor Day (Campus Closed)

Nov 10 - Veterans Day (Campus Closed)

Nov 24-25 - No Classes (Campus Open)

Nov 26-28 - Thanksgiving (Campus Closed)

Dec 6 - Fall Semester Classes End

ACADEMIC CALENDAR LINK BELOW:

https://www.imperial.edu/courses-and-programs/_docs-images/25-26ACADEMICCALENDAR-07-17-2025.pdf

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