

Basic Course Information

Semester	Fall 14	Instructor Name	Jose Velasquez
Course Title & #	BLDC 110	Email	Jose.velasquez@imperial.edu
CRN #	10829	Webpage (optional)	
Room	3117	Office	Room 3118
Class Dates	8/18-12/13	Office Hours	M-R 1pm-4pm
Class Days	MW	Office Phone #	(760) 623-6274
Class Times	MW 7:30-8:25 W 8:35-11:45	Office contact if student will be out or emergency	Department Secretary is an option
Units	3		

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. (Nontransferable, AA/AS degree only)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Identify four blueprint symbols and learn their meaning and usage in blueprints. (ILO2,ILO3)
2. Compare the identified symbols to symbols used in other contries in order to understand symbol standarization in the world.(ILO5,ILO4)
3. Measure a linear dimension using an architect scale to be able to interpret the actual measurement according to the scale being used.(ILO1,ILO2,ILO3)

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Interpret graphic plan symbols into work order text and instructions.
2. Relate blueprint dimensions to building dimensions.
3. Extract information from blueprints.
4. Correlate blueprints and written specifications.
5. Interpret code references.

Textbooks & Other Resources or Links

Brown,W., B. Dorfmueller, D., P. (2005). *Print Reading for Construction, Residential and Commercial* (5th/e). Tinley Park, Illinois Goodheart-Wilcox. ISBN: 1-59070-347-2

Print Reading for Construction,(Residential and Commercial) Walter C. Brown, Daniel P. Dorfmueller . 116 Large Prints for use with Write-in Text

Kubba, A.A. (2008). *Blueprint Reading: Construction Drawings for the Building Trades* McGraw-Hill companies. ISBN: 0071549862 (extra reading supplement not required)

Course Requirements and Instructional Methods

Required Information—discretionary language

This section is where faculty would list detailed information related to types of class activities, assignments, tests, homework, etc.

Out of Class Assignments: 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

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, chapter reviews & drawing project, midterm & final exams. The grading range is as follows:

Class Participation	10 %
Chapter Reviews	15%
Drawing project	25%
Midterm	25%
Final Exam	25%

Attendance

Required language

- 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.

Classroom Etiquette

Required Information --Discretionary language

This is where an instructor explains his/her policy on these matters. Here is some suggested language:

- 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.

Academic Honesty

Required Language

- 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 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.

Additional Help – Discretionary Section and Language

The instructor can add the information pertinent to his or her class here. Some suggested language:

- Blackboard support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several ‘labs’ on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- Library Services: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Required Language: Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Required Language: Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Required Language: 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

Information Literacy

Required Language: Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

Required Information –Discretionary Language and Formatting: The instructor will provide a tentative, provisional overview of the readings, assignments, tests, or other activities for the duration of the course. The faculty may find a table format useful for this purpose.

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests

Week 1.	Unit 1	Introduction to Print Reading
	Unit 2	Construction Math and Application
Week 2	Unit 3	Reading Measuring Tools
	Unit 4	Lines and Symbols
Week 3	Holiday	Labor Day
	Unit 5	Freehand Technical Sketching
Week 4	Unit 6	Pictorial Drawings
	Unit 7	Orthographic Drawings

Imperial Valley College Course Syllabus – Course Title and number

Week 5	Unit 8	Reading Scales and Dimensioning
		Drawings
	Unit 9	Specifications
Week 6	Unit 10	Construction Materials
	Unit 11	Plot Plans
Week 7	Unit 12	Foundation Prints
	<i>Unit</i>	<i>Midterm</i>
Week 8	Unit 13	Residential Framing Prints
	Unit 14	Commercial Framing Prints
Week 9	Unit 15	Plumbing Prints
	Unit 16	HVAC Prints
Week 10	Unit 17	Electrical Prints
	Unit 18	Welding Prints
Week 11	Unit 19	Estimating Construction Costs
	Unit	Advanced Print Reading Project (A)
Week 12	Unit	Advanced Print Reading Project (B)
		Holiday Veterans Day
Week 13	Unit	Advanced Print Reading Project (C)
	Unit	Advanced Print Reading Project (D)
Week 14	Unit	Drawing Project
	Unit	Drawing Project
Week 15	Unit	Drawing Project
	Unit	Drawing Project
Week 16	Unit	Final Exams