

Course Outline

COURSE: DRLT 220 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2016 **Inactive Course**

SHORT TITLE: BLUEPRINT READING I

LONG TITLE: Blueprint Reading I

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
1.5	1	Lecture:	21	21
		Lab:	15	15
		Other:	0	0
		Total:	36	36

COURSE DESCRIPTION:

This course covers job specifications, blueprint structure and basic blueprint reading and interpretation. Topics include an introduction to construction drawings and sketching. This course has the option of a letter grade or pass/no pass.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

- L - Standard Letter Grade
- P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

- 02 - Lecture and/or discussion
- 03 - Lecture/Laboratory
- 04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. identify the symbols and terms used in floor, elevation, and detail plans

Measure: Written Exams, Quizzes, Performance testing

PLO: 1, 2

ILO: 7, 1, 2, 3, 6

GE-LO:

Year assessed or anticipated year of assessment: 2014

2. interpret technical information given on schedules and specifications

Measure: Written Exams, Quizzes, Performance testing

PLO: 1, 2

ILO: 7, 1, 2, , 6

GE-LO:

Year assessed or anticipated year of assessment: 2014

PROGRAM LEARNING OUTCOMES:

1. Attain journey level skills needed to be successful in residential and commercial construction.
2. Locate on blueprints and in the specifications, the information needed to construct various types of load bearing and non-load bearing walls, fire protection walls and ceilings.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Inactive Course: 11/28/2016

Out-of-class assignments: For each topic, the student will read chapters and do the homework assignments at the end of the those chapters.

6 lec/6 lab Hours Development of building plans

Types and care of blueprints

Blueprint structure

SLO: The student will describe the purpose and development of building plans and blueprints and specifications and locate specific items.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Locate and read in the text or online regarding building plans and blueprints.

4 lec/2 lab Hours Job specification

Relationship to other trades

SLO: The student will evaluate and describe blueprint job specification and relationship to other trades.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Locate and read in the text or online regarding blueprint job specification and relationship to other trades.

4 lec/3 lab Hours Interpreting construction drawings, symbols, and lines

Interpreting blueprints

SLO: The student will describe the purpose and structures of site, foundation, plumbing, electrical, mechanical and specialized plans and locate specific items. The students will identify mechanical, electrical, plumbing, masonry, metal, and other symbols for construction materials.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Describe the purpose and structure of commercial and industrial plans. Describe the meaning of mechanical, electrical, plumbing, masonry, metal, and other symbols from plans.

6 lec/5.5 lab Hours Construction dimensions and related math

Architect's scale ruler

Sketching

SLO: The student will interpret and evaluate construction dimensions and related math. The students will evaluate and use architect's scale ruler and do construction sketching.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Locate and read in the text or online regarding architect's scale ruler and construction sketching.

1 lec/1.5 lab Hours Final examination and term project

METHODS OF INSTRUCTION:

- A. Lecture and discussion
- B. Visual aids
- C. Demonstrations
- D. Group hands-on exercise
- E. Individual hands-on exercise
- F. One-on-one hands-on instruction

METHODS OF EVALUATION:

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 10 % to 30 %

Written Homework

Reading Reports

Lab Reports

Essay Exams

Term or Other Papers

If this is a degree applicable course, but substantial writing assignments are NOT appropriate, indicate reason:

Course primarily involves skill demonstration or problem solving

CATEGORY 2 - The problem-solving assignments required:

Percent range of total grade: 10 % to 40 %

Homework Problems

Field Work

Lab Reports

Quizzes

Exams

CATEGORY 3 - The types of skill demonstrations required:

Percent range of total grade: 20 % to 70 %

Class Performance/s

Field Work

Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 10 % to 30 %

Multiple Choice

True/False

Matching Items

Completion

CATEGORY 5 - Any other methods of evaluation:

Percent range of total grade: 0%

REPRESENTATIVE TEXTBOOKS:

Required:

CTCNC, UBC International, United States Gypsum Company. Construction Blueprint Reading I, Interior Systems Layout, Gypsum Construction Handbook. U.S.A. : CTCNC, UBC International, United States Gypsum Company, textbooks are used in the classroom only. This is a standard textbook used in the Industry. Or other appropriate college level text.

Reading level of text, Grade: 10 Verified by: dvt

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Not Transferable

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: N

Occupational Course: A

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000507782

Sports/Physical Education Course: N

Taxonomy of Program: 095280