

Course Outline

COURSE: DRLT 222 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2016 **Inactive Course**

SHORT TITLE: APPLIED BLUEPRINT TECHNOLOGY

LONG TITLE: Applied Blueprint Technology

<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:	12	12
		Lab:	24	24
		Other:	0	0
		Total:	36	36

COURSE DESCRIPTION:

This course is a continuation of Blueprint Reading II (DRLT 221). Topics include take-offs, material estimates, material requisition, job costs and layout from blueprints. This course has the option of a letter grade or pass/no pass.

PREREQUISITES:

Completion of DRLT 221, as UG, with a grade of C or better.

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 procedure for blueprint take-offs

Measure: : research paper, exams and performance testing

PLO: 1,2

ILO: 7, 1, 2, 6

GE-LO:

Year assessed or anticipated year of assessment: 2014

2. Estimate the quantity of material needed to construct requested parts of the building

Measure: research paper, exams and performance testing

PLO: 1,2

ILO: 7, 1, 2, 3, 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.

4 lec/2 lab Hours Blueprint details

Sectional views

SLO: The student will evaluate and use blueprint details and sectional views.

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 evaluating and using blueprint details and sectional views.

5 lec/4 lab Hours Specifications

Blueprint take-offs

SLO: The student will evaluate and use blueprint specifications and take-offs.

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 specifications and take-offs.

3 lec/3 lab Hours Material requisitions

Material cost analysis

SLO: The student will evaluate and use material requisitions and compute material costs.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Interpret and evaluate material requisitions and material costs from blueprints.

7 lec/7 lab Hours Reading blueprints for a dwelling

Reading blueprints for an office building

Blueprint layout

SLO: The student will interpret, evaluate and use blueprints for a dwelling and an office building. The student will interpret, evaluate and use blueprint layouts

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 blueprints for a dwelling and an office building, and using blueprint layout.

2 lec/2 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. Blueprint Reading, Interior Systems Layout, Gypsum Construction Handbook. U.S.A.: Publisher: 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: CCC000507784

Sports/Physical Education Course: N

Taxonomy of Program: 095280