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

<table>
<thead>
<tr>
<th>Units</th>
<th>Number of Weeks</th>
<th>Type</th>
<th>Contact Hours/Week</th>
<th>Total Contact Hours</th>
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<tr>
<td>1.5</td>
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<td>Lecture:</td>
<td>12</td>
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<tr>
<td></td>
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<td>Lab:</td>
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<td>24</td>
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<tr>
<td></td>
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<td>Other:</td>
<td>0</td>
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<td></td>
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<td>Total:</td>
<td>36</td>
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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

12/5/2016
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.
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.
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