Course Outline

COURSE: DRLT 240        DIVISION: 50        ALSO LISTED AS:

TERM EFFECTIVE: Fall 2016                                      Inactive Course

SHORT TITLE: COMMERCIAL FRAMING SYSTEMS

LONG TITLE: Commercial Framing Systems and Fire Control

<table>
<thead>
<tr>
<th>Units</th>
<th>Number of Weeks</th>
<th>Type</th>
<th>Contact Hours/Week</th>
<th>Total Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>1</td>
<td>Lecture: 6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lab: 30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other: 0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total: 36</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

COURSE DESCRIPTION:

This course covers safety, principles, theory, and application of advanced fire control systems. Topics include principles and applications of partitions and metal framing. 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. Interpret the theory and principles of advanced fire control systems
   Measure: Quizzes, Exams, Performance testing
2. Layout and install different metal stud partitions used as fire control systems
Measure: Quizzes, Exams, Performance Testing
PLO: 7, 1, 2, 3, 6
ILO: 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.

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.
5 lec/4 lab Hours Theory and principles of advanced fire control systems
Double layer application of wall board
SLO: The student will evaluate and interpret the theory and principles of advanced fire control systems. The student will evaluate and interpret double layer application of wall board.
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 theory and principles of advanced fire control systems, and double layer application of wall board. Install advanced fire control systems and double layer wall board.
4 lec/4 lab Hours Fire stopping applications
Principles of solid and semi-solid walls
SLO: The student will evaluate and identify fire stopping applications. The student will evaluate and identify principles of solid and semi-solid walls. The student will research methods of framing a fire control wall system.
Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Select, evaluate, and install fire stopping applications. Select, evaluate, and install solid and semi-solid walls.
5 lec/5 lab Hours Tools for layout and leveling
Light gauge metal framing
SLO: The student will identify and evaluate tools for layout and leveling. The student will identify and evaluate light gauge metal framing.
Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Select, evaluate, and use tools for layout and leveling. Select, evaluate, and install light gauge metal framing. Identify different applications of fire control wall systems used on job-sites.
5 lec/5 lab Hours Lightweight structural metal framing
Theory and principles of metal framed soffits
SLO: The student will evaluate, identify, and select lightweight structural metal framing. The student will evaluate and identify the principles of metal framed soffits.
Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Select, evaluate, and install lightweight structural metal framing. Select, evaluate, and install metal framed soffits.
2 Hours
Final examination and term project
12/5/2016
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:
UBC International.  Commercial and Residential Steel Framing,.  U.S.A.:  UBC International.  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
12/5/2016  3
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: CCC000507787
Sports/Physical Education Course: N
Taxonomy of Program: 095280