

### 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

<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:	6	6
		Lab:	30	30
		Other:	0	0
		Total:	36	36

**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

PLO: 7, 1, 2, 3, 6

ILO:

GE-LO:

Year assessed or anticipated year of assessment: 2014

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

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