

Course Outline

COURSE: DRLT 270 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Fall 2016 **Inactive Course**

SHORT TITLE: ADVANCED CONSTRUCTION TECHNIQ

LONG TITLE: Advanced Construction Techniques

| <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: | 1 | 1 |
| | | Lab: | 35 | 35 |
| | | Other: | 0 | 0 |
| | | Total: | 36 | 36 |

COURSE DESCRIPTION:

This course covers safety, materials, principles and theory of advanced construction techniques. Topics include following written and verbal directions, construction directly from blueprints, and research techniques. 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 blueprint information and apply it to construction projects
Measure: research paper, exams and performance testing

PLO: 7, 1, 2, 3, 5, 6

ILO:

GE-LO:

Year assessed or anticipated year of assessment: 2014

2. Install advanced lathing and drywall systems Measure: exams and performance testing

PLO: 7, 1, 2, 3, 5, 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.

8 lec/6 lab Hours Project overview and shop safety

Project specifications

Project details and blueprints

SLO: The student will evaluate and research given construction project scope and build project to given specifications.

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 project details, blueprints, and specifications. Build project to specifications.

7 lec/5 lab Hours Researching construction project

Project layout and construction

SLO: The student will research construction projects and construction layout. The student will build construction project.

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 construction project and layout. Build construction project according to specifications.

4 lec/5 lab Hours Advanced drywall construction

Advanced lathing construction

SLO: The student will identify, evaluate, and install drywall and lathing construction.

Assignments: Read the chapters covered in the lecture and answer the study guide question on the assigned subject. Select, evaluate, and use material for drywall and lathing construction. Install drywall and lathing material. Record advanced construction techniques performed on job-sites.

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:

UBC International, United States Gypsum Company . Lathing, Gypsum Construction Handbook. U.S.A.: 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: CCC000507792

Sports/Physical Education Course: N

Taxonomy of Program: 095280