

ACT 320C: CONSTRUCTION CAREERS & EMPLOYABILITY SKILLS

New Course Proposal

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Originator

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Justification / Rationale

Construction is one of the top employment opportunities in the Coachella Valley and with the new Title 24 requirements for Zero Net Energy construction, there is a need for a more educated construction workforce. This course is one of three modules of a non-credit overlay version of CM 020 Introduction to Construction Technology. Module 1 covers tools, equipment, safety and green concepts; Module 2 provides training and review of the basic math skills required for construction; Module 3 provides an awareness of career opportunities in the construction industry and the employability skills required to succeed in those careers. Providing this non-credit version allows those currently unemployed or underemployed to gain the skills and knowledge required to obtain and succeed in construction jobs; providing the modules as a credit overlay allows students to qualify for credit by exam and move into a credit pathway to continue education.

Effective Term

Fall 2020

Credit Status

Noncredit

Subject

ACT - Applied Construction Technolog

Course Number

320C

Full Course Title

Construction Careers & Employability Skills

Short Title

CONST CAREER SKILLS

Discipline

Disciplines List

Construction Technology

Building Codes and Regulations (Inspecting of construction, building codes, contractor training)

Architecture

Carpentry

Construction Management

Plumbing

Electricity (Electrical power distribution)

Modality

Face-to-Face

100% Online

Catalog Description

This course provides students with in-depth analysis of the organization and structure of the construction industry and the many career choices the industry offers. The course emphasizes communication as well as employability skills. Guest speakers and site visits provide students a wide view of the expectations of entry-level work, wages, benefits, and work place culture.

Schedule Description

Construction careers, employability skills and job readiness.

Non-credit Hours

27

Lecture Units

0

Lab Units

0

Lab Semester Hours

0

In-class Hours

18

Out-of-class Hours

9

Total Course Units

0

Total Semester Hours

27

Override Description

Noncredit does not have lecture and lab. The out of class hours were adjusted to match the credit equivalent course total hours.

Required Text and Other Instructional Materials**Resource Type**

Book

Author

National Center for Construction Education and Research (NCCER)

Title

Your Role in the Green Environment (Trainee Guide)

Edition

3rd

City

Upper Saddle River, NJ

Publisher

Pearson Education, Inc.

Year

2016

College Level

Yes

Flesch-Kincaid Level

11.8

ISBN #

9780136023036

Class Size Maximum

30

Course Content

1. Overview of construction industry and closer examinations of individual trade expectations.
2. Construction safety – hazard recognition and OSHA regulations.
3. Communication skills.
4. Employability skills.

Course Objectives

	Objectives
Objective 1	Discuss the apprenticeship requirements and responsibilities for a variety of construction trades.
Objective 2	List the various career paths in the construction industry.
Objective 3	Discuss common safety hazards on construction sites.
Objective 4	Explain the purpose of Occupational Safety and Health Administration (OSHA) and their regulations for the construction industry.
Objective 5	Discuss green construction practices.
Objective 6	Understand the impact of construction to the environment.
Objective 7	Demonstrate the ability to interpret information and instructions presented in both written and verbal form.
Objective 8	Demonstrate the ability to communicate effectively in on-the-job situations using written and verbal skills.
Objective 9	Demonstrate critical thinking skills and the ability to solve problems using those skills.
Objective 10	Demonstrate effective relationship skills with teammates and supervisors, the ability to work on a team, and appropriate leadership skills.
Objective 11	Understand workplace issues such as sexual harassment, stress, and substance abuse.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Explain the purpose of Occupational Safety and Health Administration (OSHA) and their regulations for the construction industry.
Outcome 2	Develop interrelationship and leadership skills in a team scenario including the ability to communicate effectively on-the-job both verbally and in writing.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Lecture	Presentation of topic in context.
Discussion	Classroom and group discussions
Participation	Class discussion and questions.
Other (Specify)	1. Guest lectures 2. Site visits
Activity	Pre and post surveys to determine current employability and team building skills.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	Homework assigned from text and worksheets.	Out of Class Only
Student participation/contribution	Participation in lab groups and classroom/online discussion. Lab may include in person or virtual site visits out-of-class.	In and Out of Class
Mid-term and final evaluations	Examinations covering key concepts introduced in the course.	In Class Only
Tests/Quizzes/Examinations	Weekly quizzes on topics covered in class and analysis of job sites. Quizzes completed out-of-class with in-class discussion of results.	In and Out of Class
Other	Out-of-class hours will be accounted for electronically through the learning management system.	Out of Class Only

Assignments
Other In-class Assignments

1. Individual projects to analyze and evaluate application of materials covered in text and job site evaluation.
2. Small group projects to analyze, review, diagnose and evaluate various methods of solution used on homework.
3. Pre and post individual surveys to determine level of readiness for careers in the construction industry.

Other Out-of-class Assignments

1. Review questions.
2. Vocabulary terms.
3. Completing daily assigned homework and complete pretests.
4. Reading textbook and supplementary assignments.
5. In person or virtual site visits.

Grade Methods

Pass/No Pass Only

Distance Education Checklist
Instructional Materials and Resources
Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Timely feedback and return of student work as specified in the syllabus
 Discussion forums with substantive instructor participation
 Chat room/instant messaging
 Regular virtual office hours
 Online quizzes and examinations
 Weekly announcements

External to Course Management System:

Direct e-mail

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Timely feedback and return of student work as specified in the syllabus.
 Discussion forums with substantive instructor participation.
 Online quizzes and examinations.
 Weekly announcements.

Other Information

MIS Course Data

CIP Code

46.0412 - Building/Construction Site Management/Manager.

TOP Code

095700 - Civil and Construction Management Technology

SAM Code

C - Clearly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Workforce Prep Enhanced Funding

Approved Special Class

Not special class

Noncredit Category

Workforce Preparation

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

Allow Audit

No

Repeatability

Yes

Repeatability Limit

NC

Repeat Type

Noncredit

Justification

Noncredit courses are repeatable until the student has achieved the skills and knowledge required to meet the objectives and outcomes of the course.

Materials Fee

No

Additional Fees?

No

Approvals

Curriculum Committee Approval Date

10/17/2019

Academic Senate Approval Date

10/24/2019

Board of Trustees Approval Date

11/13/2019

Chancellor's Office Approval Date

01/10/2020

Course Control Number

CCC000611516

Programs referencing this courseConstruction Technology Introduction Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=280/>)Construction Technology Career Preparation Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=292/>)