

Washtenaw Community College Comprehensive Report

CON 145 Commercial Building Maintenance II Effective Term: Winter 2011

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: Heating, Ventilation and A/C

Discipline: Residential Construction Technology

Course Number: 145

Org Number: 14750

Full Course Title: Commercial Building Maintenance II

Transcript Title: Commercial Building Maint. II

Is Consultation with other department(s) required: No

Publish in the Following:

Reason for Submission: New Course

Change Information:

Rationale: A request was made by the University of Michigan facility building maintenance department for a certificate program.

Proposed Start Semester: Fall 2010

Course Description: This course continues the Commercial Building Maintenance Program. Students will learn to troubleshoot and correct basic commercial building issues including ceilings, doors, windows, walls, floor finishes and commercial furnishings.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 30 Student: 30

Lab: Instructor: 15 Student: 15

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 45 Student: 45

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Enrollment Restrictions

Consent required

Enrollment Restrictions

CON 141

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Inspect, diagnose and repair multiple ceiling finishes.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

2. Inspect, analyze operational problems and repair or replace interior and exterior doors and door hardware.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

3. Inspect, analyze and repair multiple floor wall and floor finishes.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

4. Inspect, diagnose and repair various window malfunctions.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

5. Inspect, and repair or replace emergency lighting, signs and devices.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

6. Inspect, repair, or replace doors, drawers, counter-tops and other furnishings.

Assessment 1

Assessment Tool: Exam and Lab exercises

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: ALL

Number students to be assessed: ALL

How the assessment will be scored: Exam and lab exercises will be scored using an answer key and a departmentally-developed rubric.

Standard of success to be used for this assessment: 85% of the students will score 80% or higher on the exam and lab exercises.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Identify safe and appropriate inspection procedures for various height ceilings.
2. Recognize features of different ceiling configurations.
3. Perform safe and appropriate inspection of various height ceilings.
4. Determine proper ceiling repair.
5. Perform ceiling repair within specified parameters.
6. Identify safe and appropriate inspection procedures for interior and exterior doors.
7. Recognize features of various door operating systems.
8. Perform safe and appropriate inspections of various doors.
9. Identify problems and secure necessary parts as needed.
10. Repair or reinstall correct hardware.
11. Confirm through testing proper door installation.
12. Identify safe and appropriate inspection procedures for walls and floors.
13. Recognize features of wall and floor structures.
14. Perform safe and appropriate inspections of walls and floors.
15. Demonstrate ability to replace or repair floor finishes.
16. Demonstrate ability to make drywall or other wall finish repairs.
17. Identify safe and appropriate inspection procedures for multiple types of windows.
18. Recognize features of various window systems.
19. Perform safe and appropriate inspections of window systems.
20. Demonstrate ability to repair or replace windows and window hardware.
21. Identify safe and appropriate inspection procedures for emergency lighting, signs and devices.
22. Recognize features of various emergency lighting, signs and devices.

23. Perform safe and appropriate inspections of emergency lighting, signs and devices.
24. Demonstrate the ability to repair or replace emergency lighting, signs and devices.
25. Identify safe and appropriate inspection procedures for commercial furnishings.
26. Recognize features of various furnishings.
27. Perform safe and appropriate inspections of various furnishings.
28. Sequence in writing the inspection and repairs of an inoperable cabinet door.
29. Demonstrate the ability to repair or replace furnishing components.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Off-Campus Sites

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Cristy Lindemann</i>	<i>Faculty Preparer</i>	<i>Aug 11, 2010</i>
Department Chair/Area Director: <i>Cristy Lindemann</i>	<i>Recommend Approval</i>	<i>Aug 11, 2010</i>
Dean: <i>Ross Gordon</i>	<i>Recommend Approval</i>	<i>Aug 19, 2010</i>
Curriculum Committee Chair: <i>Kelley Gottschang</i>	<i>Recommend Approval</i>	<i>Sep 16, 2010</i>
Assessment Committee Chair: <i>Rosemary Rader</i>	<i>Recommend Approval</i>	<i>Sep 25, 2010</i>
Vice President for Instruction: <i>Stuart Blacklaw</i>	<i>Approve</i>	<i>Sep 28, 2010</i>