

## **COURSE SYLLABUS**

<b>LAST REVIEW</b>	Fall 2022
<b>COURSE TITLE</b>	Drywall
<b>COURSE NUMBER</b>	BEMT 0130
<b>DIVISION</b>	Career and Technical Education
<b>DEPARTMENT</b>	BEMT
<b>CIP CODE</b>	46.0401
<b>CREDIT HOURS</b>	2
<b>CONTACT HOURS/WEEK</b>	Class: .5                      Lab: 3                      Clinical: X
<b>PREREQUISITES</b>	None

### **COURSE DESCRIPTION**

This is the basic course in drywall repair. The course topics include: Environmental sustainability, patching plaster walls, patching drywall, patching ceilings, and touch up painting. Students will learn to spray texture, hand apply texture, and repair commercial building wall coverings including patching scuff marks and tears. Special tool use will be covered. It will also cover paint matching

### **PROGRAM LEARNING OUTCOMES**

Students will demonstrate an adherence to safety standards and proficiency in the skills necessary for carpentry basics, and both the construction of new or evaluation/repair of existing framing structures, floors, walls, dry wall, painting, windows, doors, stairs, wood joints, and moldings.

### **TEXTBOOKS**

<http://kckccbookstore.com/>

### **METHODS OF INSTRUCTION**

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

### **COURSE OUTLINE**

- I. Introduction
- II. Patching Plastered Walls
  - A. Cracks
  - B. Inspection

- C. Hairline Cracks
- D. Spackling
- E. Large Areas
- F. Backing Material
- III. Wallboard
  - A. Gypsum Board
  - B. Sizes
  - C. Cutting Gypsum Board
    - 1. Outlets
    - 2. Scored
  - D. Repairing Gypsum Board Walls
    - 1. Stud Location
    - 2. Replacement Panels
    - 3. Construction adhesive
  - E. Taping Gypsum Board Joints
    - 1. Applying Compound
    - 2. Tape
    - 3. Tools
  - F. Measuring and Cutting
  - G. Nails and Screws
  - H. Adhesive Fastening
  - I. Joint and Fastener Concealment
  - J. Corners
- IV. Moisture Resistant Wallboard
  - A. Green Board
  - B. Recommended Use
- V. Veneer Plaster
  - A. Repair
  - B. Replacement with Wallboard
- VI. Environmental Sustainability
  - A. Environmentally safe waste disposal
  - B. Life cycle analysis
  - C. Recycled material
  - D. Low VOC emissions
  - E. New “green” materials
  - F. New “green” methods and practices
  - G. “Low impact” designs

### **COURSE LEARNING OUTCOMES AND COMPETENCIES**

Upon successful completion of this course, the student will:

- A. Identify and describe patching plastered walls.
  - 1. Understand and demonstrate crack repair.
  - 2. Demonstrate inspection methods.
  - 3. Identify and demonstrate spackling techniques.

4. Understand and demonstrate uses of backing material.
  5. Demonstrate how to repair larger areas.
  6. Identify and demonstrate types of repair material.
- B. Describe how to install new wallboard.
7. Understand and demonstrate wallboard sizing.
  8. Demonstrate how to locate studs.
  9. Identify and demonstrate how to measure for repairs.
  10. Understand and demonstrate cutting techniques.
  11. Demonstrate adhesive fastening.
  12. Identify and demonstrate proper taping.
- C. Identify and describe moisture resistant wallboard.
13. Understand and demonstrate uses for greenboard.
  14. Demonstrate cement board cutting methods.
  15. Identify and demonstrate how to apply cement board.
  16. Understand and demonstrate application with screws.
  17. Demonstrate proper corner taping.
  18. Identify and demonstrate moisture testing techniques.
- D. Finish new wallboard.
19. Properly tape seams, inside and outside corners.
  20. Apply 2<sup>nd</sup> coat applications.
  21. Apply 3<sup>rd</sup> coat applications.
  22. Finish sand for primer applications.
  23. Spray any texture applications.
  24. Finish wallboard by hand and by box applications.
- E. Identify and use all wallboard install and finish tools.
25. Identify and use wallboard install tools.
  26. Identify and use hand finish tools.
  27. Identify and use box finish tools.
  28. Identify and use auto taping finish tool.
  29. Identify and use corner finish tools.
  30. Identify and use dustless sanding methods.
  31. Identify and use proper tool cleaning methods.
- F. Identify and describe wallboard.
32. Describe the process of wallboard material.
  33. Describe the layers of wallboard.
  34. Describe the available sizing of wallboard.
  35. Describe the purpose of fire rated wallboard.
  36. Explain the different thickness of wallboard.
  37. Explain the proper handling of wallboard.

38. Explain the different colors of wallboard.

G. Identify and describe environmental sustainability.

39. Describe waste disposal methods for this industry according to EPA and industry guidelines.

40. Describe the process of life cycle analysis in this industry based on industry guidelines.

41. Identify recycled materials by label and industry practice.

42. Define "low emission" and give two examples.

43. Identify new "green" materials now being introduced or currently used in this industry.

44. Describe new "green" practices and methods being instituted or currently employed within this industry.

45. Identify and explain the term "low Impact" as it relates to the environment.

### **ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES**

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

### **COLLEGE POLICIES AND PROCEDURES**

*Student Handbook*

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

*College Catalog*

<https://www.kckcc.edu/academics/catalog/index.html>

*College Policies and Statements*

<https://www.kckcc.edu/about/policies-statements/index.html>

*Accessibility and Accommodations*

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.