PREREQUISITES:

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required tests for your particular class.

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.

METHOD 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, and 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

EXPECTED LEARNER OUTCOMES:
A. The student will be able to identify and describe patching plastered walls.
B. The student will be able to describe how to install new wallboard.
C. The student will be able to identify and describe moisture resistant wallboard.
D. The student will be able to finish new wallboard.
E. The student will be able to identify and use all wallboard install and finish tools.
F. The student will be able to identify and describe wallboard.
G. The student will be able to identify and describe environmental sustainability.

**COURSE COMPETENCIES:**
*The student will be able to identify and describe patching plastered walls.*
1. The student will be able to understand and demonstrate crack repair.
2. The student will be able to demonstrate inspection methods.
3. The student will be able to identify and demonstrate spackling techniques.
4. The student will be able to understand and demonstrate uses of backing material.
5. The student will be able to demonstrate how to repair larger areas.
6. The student will be able to identify and demonstrate types of repair material.

*The student will be able to describe how to install new wallboard.*
7. The student will be able to understand and demonstrate wallboard sizing.
8. The student will be able to demonstrate how to locate studs.
9. The student will be able to identify and demonstrate how to measure for repairs.
10. The student will be able to understand and demonstrate cutting techniques.
11. The student will be able to demonstrate adhesive fastening.
12. The student will be able to identify and demonstrate proper taping.

*The student will be able to identify and describe moisture resistant wallboard.*
13. The student will be able to understand and demonstrate uses for greenboard.
14. The student will be able to demonstrate cement board cutting methods.
15. The student will be able to identify and demonstrate how to apply cement board.
16. The student will be able to understand and demonstrate application with screws.
17. The student will be able to demonstrate proper corner taping.
18. The student will be able to identify and demonstrate moisture testing techniques.

*The student will be able to finish new wallboard.*
19. The student will be able to properly tape seams, inside and outside corners.
20. The student will be able to apply 2nd coat applications.
21. The student will be able to apply 3rd coat applications.
22. The student will be able to finish sand for primer applications.
23. The student will be able to spray any texture applications.
24. The student will be able to finish wallboard by hand and by box applications.

*The student will be able to identify and use all wallboard install and finish tools.*
25. The student will be able to identify and use wallboard install tools.
26. The student will be able to identify and use hand finish tools.
27. The student will be able to identify and use box finish tools.
28. The student will be able to identify and use auto taping finish tool.
29. The student will be able to identify and use corner finish tools.
30. The student will be able to identify and use dustless sanding methods.
31. The student will be able to identify and use proper tool cleaning methods.

_The student will be able to identify and describe wallboard._

32. The student will be able to describe the process of wallboard material.
33. The student will be able to describe the layers of wallboard.
34. The student will be able to describe the available sizing of wallboard.
35. The student will be able to describe the purpose of fire rated wallboard.
36. The student will be able to explain the different thickness of wallboard.
37. The student will be able to explain the proper handling of wallboard.
38. The student will be able to explain the different colors of wallboard.

_The student will be able to identify and describe environmental sustainability._

39. The student will be able to describe waste disposal methods for this industry according to EPA and industry guidelines.
40. The student will be able to describe the process of life cycle analysis in this industry based on industry guidelines.
41. The student will be able to identify recycled materials by label and industry practice.
42. The student will be able to define “low emission” and give two examples.
43. The student will be able to identify new “green” materials now being introduced or currently used in this industry.
44. The student will be able to describe new “green” practices and methods being instituted or currently employed within this industry.
45. The student will be able to identify and explain the term “low Impact” as it relates to the environment.

**ASSESSMENT OF LEARNER OUTCOMES:**
Student progress is evaluated by means that include, but are not limited to, exams written assignments and class participation.

**SPECIAL NOTES:**
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.
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