SYLLABUS

DATE OF LAST REVIEW: 09/2015
CIP CODE: 46.0401
SEMESTER: Departmental Syllabus
COURSE TITLE: Remodel Painting
COURSE NUMBER: BPMT0121
CREDIT HOURS: 3
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
TELEPHONE: Departmental Syllabus
EMAIL: Departmental Syllabus

KCKCC-issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: OSHA 10, Math Level 3 Recommended

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 remodel paint repair. The course topics include: Environmental sustainability, surface prep, touch-up, rollers, pads, brushes, spray guns, and sponges will be covered. Paint types, uses, and limitations will be studied. Surface stain sealing, patching and textured paint will be covered. This course will offer instruction on paint problems and failure prevention. It will also cover estimating, masonry coating, mildew resistance and clean up. Painting aluminum and metal surfaces will be covered.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. They may include but are not limited to lecture, multimedia, cooperative/collaborative learning, demonstrations, labs, on-the-job, internships, and other learning experiences outside the classroom. Methodology will be selected to best meet student needs.
COURSE OUTLINE:

I. Introduction

II. Oil Base Paints
   A. Exterior
   B. Interior

III. Paint Development

IV. Preparing The Surface

V. Equipment Needed
   A. Brushes
      1. Natural Bristle
      2. Synthetic Filament
      3. Size and Shape
   B. Rollers
      1. Lambswool
      2. Mohair
      3. Synthetic
   C. Pad Applicator
   D. Spray Tools and Application
      1. Spray Gun
      2. Aerosol Spray

VI. Exterior Application
   A. Temperature of Painting
   B. Weather Conditions
   C. Painting Method
   D. Trim Out
   E. Loading the Brush
   F. Brush Strokes
   G. Roller Application
   H. Using Colored Paint
   I. Stopping and Re-starting

VII. Clean-Up Procedures
   A. Clean-Up for Tools Used in Oil Paint
   B. Cleaning Tools Used in Latex Paint

VIII. Interior Application
   A. Understanding the Paint
   B. Choosing a Roller or Brush
   C. Paint the Ceiling First
D. Using a Brush with Interior Paint for Walls
E. Using a Roller for Walls
F. Protecting Window Glass
G. Painting a Window
H. Painting a Door
I. Paint Baseboard
J. Painting with Enamels

IX. Diagnosing Paint Problems
A. Moisture
B. Surface Preparation
C. Under Eave Peeling
   1. Scrape
   2. Wash
   3. Rinse
   4. Sand
D. Blistering and Peeling (Moisture Problems)
   1. Un-caulked
   2. Worn out Caulking
   3. Leaking Roofs
   4. Clogged Gutters
   5. Moisture build in House
E. Non-Moisture Blistering
F. Checking and Crackling
   1. Remove Loose Paint
   2. Smooth Rough Surfaces
   3. Repair
   4. Prime
   5. Finish Coats
G. Excessive Chalking
   1. Fiber Brush
   2. Power Wash
   3. Primer
   4. Finish Coats
H. Wrinkling
   1. Remove Wrinkled Layers
   2. Paint Remover
   3. Feather Sand
   4. Prime
I. Mildew
   1. Solution (Tri-sodium phosphate, Sodium Hypochlorite, Warm Water)
2. Scrub
3. Mildew Resistant Primer
4. Mildew Resistant Paint

X. Painting Gutters and Downspouts
   A. New Gutters
   B. Galvanized

XI. Estimating Paint Coverage
    A. Largest Area
    B. Accessory Items
    C. Total (Square Foot)
    D. Gallons Needed

XII. Applying Paint to Metal

XIII. Masonry Coating
    A. Latex
    B. Epoxy

XIV. Roof and Floor Silicone

XV. Aluminum Roof Paint

XVI. Liquid Floor Materials

XVII. 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 describe and identify preparing the surface.
B. The student will be able to describe and identify environmental sustainability
C. The student will be able to describe and identify exterior application.
D. The student will be able to describe and identify clean-up procedures.
E. The student will be able to describe and identify interior application.
F. The student will be able to describe and identify diagnosing paint problems.
G. The student will be able to describe and identify moisture.
H. The student will be able to describe and identify painting gutters and downspouts.
I. The student will be able to describe and identify estimating paint coverage.
J. The student will be able to describe and identify applying paint to metal.
K. The student will be able to describe and identify masonry coating.
COURSE COMPETENCIES:

The student will be able to describe and identify preparing the surface.
1. The student will be able to understand and demonstrate types of brushes.
2. The student will be able to understand and perform proper brushing technique.
3. The student will be able to identify and demonstrate uses of brushes.
4. The student will be able to understand and demonstrate pad application.
5. The student will be able to understand and perform roller application.
6. The student will be able to identify and demonstrate proper clean up.

The student will be able to describe and identify exterior application.
7. The student will be able to understand and demonstrate correct exterior prep.
8. The student will be able to understand and perform a stop and re-start properly.
9. The student will be able to identify and demonstrate how weather effects painting.
10. The student will be able to understand and demonstrate trimming out correctly.
11. The student will be able to understand and perform brush sizing properly.
12. The student will be able to identify and demonstrate proper roller selection.

The student will be able to describe and identify clean-up procedures.
13. The student will be able understand and demonstrate uses for Acetone.
14. The student will be able understand and perform a cleanup with paint thinner.
15. The student will be able identify and demonstrate wiping down with lacquer thinner properly.
16. The student will be able understand and demonstrate cleaning oil based paint successfully.
17. The student will be able understand and perform correct brush cleaning.
18. The student will be able identify and demonstrate correct roller cleaning.

The student will be able to describe and identify interior application.
19. The student will be able to understand and demonstrate proper brush selection.
20. The student will be able to understand and perform proper roller selection.
21. The student will be able to identify and demonstrate proper prep.
22. The student will be able to understand and demonstrate ceiling painting.
23. The student will be able to understand and perform door painting technique.
24. The student will be able to identify and demonstrate how to clean latex brushes.

The student will be able to describe and identify diagnosing paint problems.
25. The student will be able to understand and demonstrate how to correct peeling.
26. The student will be able to understand and perform proper paint scraping.
27. The student will be able to identify and demonstrate moisture problems.
28. The student will be able to understand and demonstrate how to properly correct cracking paint.
29. The student will be able to understand and perform how to correct blistering.
30. The student will be able to identify and demonstrate how to correct wrinkling.

The student will be able to describe and identify moisture.
31. The student will be able to understand and demonstrate moisture detection techniques.
32. The student will be able to understand and perform a moisture test.
33. The student will be able to identify and demonstrate how to identify mildew.
34. The student will be able to understand and demonstrate proper mildew removal.
35. The student will be able to understand and perform a mildew scrub.
36. The student will be able to identify and demonstrate how to seal over water stains.

The student will be able to describe and identify painting gutters and downspouts.
37. The student will be able to understand and demonstrate correct gutter paint prep,
38. The student will be able to understand and perform how to properly etch aluminum gutter.
39. The student will be able to identify and demonstrate how to correctly strip galvanized gutter.
40. The student will be able to understand and demonstrate how to properly apply paint to aluminum.
41. The student will be able to understand and perform proper caulking to gutters.
42. The student will be able to identify and demonstrate safe cleanup practices.

The student will be able to describe and identify estimating paint coverage.
43. The student will be able to understand and demonstrate how to calculate square footage.
44. The student will be able to understand and perform an area measurement properly.
45. The student will be able to identify and demonstrate correctly paint coverage per gallon.
46. The student will be able to understand and demonstrate accurately what accessories will be needed.
47. The student will be able to understand and perform a cost per foot estimate correctly.
48. The student will be able to identify and demonstrate why quality paint is cheaper.

The student will be able to describe and identify applying paint to metal.
49. The student will be able to understand and demonstrate the effect of important metal conditions.
50. The student will be able to understand and perform a proper surface check.
51. The student will be able to identify and demonstrate proper prep methods.
52. The student will be able to understand and demonstrate the correct uses of primer.
53. The student will be able to understand and perform an adhesion test correctly.
54. The student will be able to identify and demonstrate how to top coat properly.

The student will be able to describe and identify masonry coating.
55. The student will be able to understand and demonstrate salt loss on a masonry wall correctly.
56. The student will be able to understand and perform proper surface prep.
57. The student will be able to identify and demonstrate masonry problems accurately.
The student will be able to understand and demonstrate proper masonry caulking.

The student will be able to understand and perform a proper top coat application.

The student will be able to identify and demonstrate how to choose additive binders.

The student will be able to describe and identify environmental sustainability.

The student will be able to describe waste disposal methods for this industry according to EPA and industry guidelines.

The student will be able to describe the process of life cycle analysis in this industry based on industry guidelines.

The student will be able to identify recycled materials by label and industry practice.

The student will be able to define “low emission” and give two examples.

The student will be able to identify new “green” materials now being introduced or currently used in this industry.

The student will be able to describe new “green” practices and methods being instituted or currently employed within this industry.

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.

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