

Dakota County Technical College

IDES 2111: Materials and Estimating

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course provides students with information that will allow them to establish a systematic approach to selecting materials for interior environments. Students will also create specifications for interior materials, emphasizing code requirements and testing standards. Environmental issues and concerns in relation to the product materials will be addressed. Textiles and their use in residential and commercial interiors are presented. Students will learn the appropriate estimating techniques to determine accurate material amounts for any given job. The overall appropriateness and manufacturing process combined with the use of materials for walls, floors and ceilings will be emphasized.

B. COURSE EFFECTIVE DATES: 08/27/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Compare cost estimating
2. Compare testing methods
3. Define LEED rating system
4. Define appropriate regulation codes and standards
5. Define environmental concerns
6. Define hard surface flooring
7. Define leather
8. Define paints and coatings
9. Define performance criteria carpeting
10. Define performance criteria for fabrics
11. Define rugs and carpeting
12. Define textiles
13. Define window treatments
14. Demonstrate appropriate application of specifications
15. Demonstrate appropriate use of materials
16. Demonstrate use of textiles
17. Estimate carpet
18. Estimate ceiling materials
19. Estimate drapery and upholstery yardage
20. Estimate wall finishes
21. Examine fabric construction
22. Examine finishing techniques
23. Examine product - vendor list
24. Examine resilient flooring
25. Examine specification format
26. Examine wall coverings and upholstered wall systems
27. Identify ceiling treatments/finishes
28. Identify fibers
29. Identify workrooms
30. Prepare pricing for specified products
31. Research manufacturers
32. Research styles of drapery
33. Write carpet specifications
34. Write wall covering specification
35. Write window specifications

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted