

# Dakota County Technical College

## IDES 2147: Residential Studio II

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the basics of residential kitchen and bathroom design. The course uses the guidelines published by the National Kitchen and Bath Association (NKBA) as well as universal design and sustainable design principles. Spatial analysis, material and product selection, construction drawings and product specification are addressed. Students will utilize computer software specific to the residential kitchen and bath industry.

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

**C. OUTLINE OF MAJOR CONTENT AREAS**

#### **D. LEARNING OUTCOMES (General)**

1. Define kitchen and bath terminology
2. Identify NKBA business forms
3. Identify programming of kitchens and baths
4. Identify the National Kitchen and Bath Association
5. Identify the process of selling kitchens and baths
6. Research kitchen and bath materials and finishes
7. Compare design drawings with shop drawings
8. Draft a construction plan
9. Draft a mechanical plan
10. Draft construction elevations
11. Evaluate NKBA forms
12. Examine environmental considerations
13. Examine kitchen and bath ergonomic considerations
14. Examine kitchen and bath electrical
15. Examine kitchen and bath heating
16. Examine kitchen and bath lighting
17. Examine kitchen and bath plumbing
18. Examine kitchen and bath project specifications
19. Examine kitchen and bath ventilation
20. Examine universal design principles
21. Identify NKBA guidelines for baths
22. Identify NKBA guidelines for kitchens
23. Identify cabinet construction
24. Identify cabinet types
25. Prepare a design statement
26. Prepare bath layouts
27. Prepare design elevations
28. Prepare kitchen layouts
29. Research bath fixture and accessories
30. Research color theory in kitchen and bath design
31. Research kitchen and bath product manufacturers
32. Research kitchen appliances and fixtures
33. Select kitchen and bath surfacing materials

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

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted