



RESIDENTIAL STUDIO II — IDES 2147

A. Course Description

- **Credits:** 4.00
- **Lecture Hours/Week:** 2.00
- **Lab Hours/Week:** 2.00
- **OJT Hours/Week:** 0
- **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: 8/27/12 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Compare design drawings with shop drawings
2. Define kitchen and bath terminology
3. Draft a construction plan
4. Draft a mechanical plan
5. Draft construction elevations
6. Evaluate NKBA forms
7. Examine environmental considerations
8. Examine kitchen and bath ergonomic considerations
9. Examine kitchen and bath electrical
10. Examine kitchen and bath heating
11. Examine kitchen and bath lighting
12. Examine kitchen and bath plumbing
13. Examine kitchen and bath project specifications
14. Examine kitchen and bath ventilation

15. Examine universal design principles
16. Identify NKBA business forms
17. Identify NKBA guidelines for baths
18. Identify NKBA guidelines for kithchens
19. Identify cabinet construction
20. Identify cabinet types
21. Identify programming of kitchens and baths
22. Identify the National Kitchen and Bath Association
23. Identify the process of selling kitchens and baths
24. Prepare a design statement
25. Prepare bath layouts
26. Prepare design elevations
27. Prepare kitchen layouts
28. Research bath fixture and accessories
29. Research color theory in kitchen and bath design
30. Research kitchen and bath materials and finishes
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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted