

Kitchen and Bath Design II
INDC2911
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2 Credit Hours

Introduction:

This class is an advanced class to Kitchen and Bathroom design. Please come to class prepared to take notes and work.

Course Description

The course teaches advanced kitchen and bath design including an in-depth study of the National Kitchen and Bath Association (NKBA) Planning Guidelines for Kitchen and Bathroom and the NKBA Access Planning Guidelines used in universal design projects. Students will develop proficiency in the mastery of: problem solving, concept development, theme design, professional working document production, idea presentation, and NKBA form processing. The industry standard Computer Aided Drafting (CAD) software is used, and drafting and computer skills are required for this course. The course requires the development of an advanced project from inception to completion including possible submission to the annual NKBA student design Competition.

Pre-Requisites:

INDC 2910 Kitchen and Bath I

Assessed Degree Program Learning Outcome: To understand and exhibit civic engagement and social responsibility. Assessment will be evaluated based on the student's presentation of the final project in Week 14 – 16 of the course.

Learning Outcomes and Objectives

1. Depict all appropriate NKBA access planning guidelines in kitchen and bath project design. (**Synthesis:** Depict)
 - a. Utilize appropriate measurements for all components of a bath incorporating access planning guidelines. (**Application**)
 - b. Utilize appropriate measurements for all components of a kitchen incorporating NKBA access planning guidelines. (**Application**)
 - c. Determine appropriate material construction to include NKBA access planning requirements for a kitchen and bath solution. (**Evaluation**)
2. Apply universal design solutions in the design of a kitchen and bath (**Application:** Apply)
 - a. Demonstrate universal design concepts used in the kitchen and bath. (**Application**)
 - b. Determine client needs are met in the design of a kitchen and bath. (**Evaluation**)
 - c. Ascertain environmental aspects using information from research to protect the client and public's health, safety, and welfare. (**Application**)
3. Incorporate the limitations for the aging population in kitchen and bath design. (**Synthesis:** Incorporate)
 - a. Differentiate between the needs of seniors and ADA compliance. (**Analysis**)

- b. Define environmental considerations affecting a client's health, safety, and welfare. **(Analysis)**
- c. Ascertain floor space requirements and movement radius of a kitchen or bath pertaining to an aging population. **(Application)**
- d. Determine appropriate appliances, fixtures, and storage in kitchen and bath design to meet the needs of the aging population. **(Evaluation)**
- e. Incorporate appropriate building code requirements to account for aging or ADA client needs. **(Synthesis)**
4. Develop a concept or theme for design of a kitchen and a bath. **(Synthesis: Develop)**.
 - a. Analyze building mechanical systems to satisfy the design criteria. **(Analysis)**
 - b. Take comprehensive and precise measurements. **(Application)**
 - c. Specify appropriate material, equipment, fixtures, etc. using product knowledge to meet the client's need. **(Evaluation)**
 - d. Identify tangible and intangible project constraints using observation, client interviews, and design solutions. **(Analysis)**
 - e. Specify appropriate products and design details pertaining to the client's style preference using existing knowledge of history and architectural style. **(Evaluation)**
5. Incorporate advanced design concepts into kitchen and bath design. **(Synthesis: Incorporate)**
 - a. Demonstrate transfer of knowledge and competencies from past courses to advanced projects. **(Application)**
 - b. Develop a furniture arrangement and traffic plan for kitchens. **(Synthesis)**
 - c. Create solutions using the elements and principles of design to satisfy aesthetic criteria. **(Synthesis)**
 - d. Identify building materials to satisfy the design criteria. **(Analysis)**
 - e. Incorporate applicable building code requirements into the project to ensure health, safety, and welfare concepts. **(Synthesis)**
 - f. Obtain pertinent design information from architectural blueprints. **(Application)**
 - g. Translate dimension and building features accurately from architectural blueprints. **(Application)**
 - h. Utilize architectural and interior design history by specifying appropriate products and design. **(Application)**
6. Formulate the process of the design from conception to completion. **(Synthesis: Formulate)**
 - a. Identify the NKBA graphics and presentation standards used to convey project design. **(Analysis)**
 - b. Convey the design solution clearly to the client and/or trade using NKBA graphics and presentation standards. **(Application)**
 - c. Substantiate the design project to the client through a written and/or verbal statement interpreting the design solution. **(Evaluation)**
 - d. Show evidence of communication with the client through the various design stages to close of sale. **(Application)**
7. Illustrate the use of NKBA business tools used in kitchen and bath design Projects. **(Application: Illustrate)**
 - a. Prepare contract documents to define and communicate the obligations of all parties in a design project. **(Application)**
 - b. Exhibit organizational skills necessary to bring projects from initial contract to successful completion. **(Application)**

- c. Determine selling price and costs accurately by systematic evaluation of all project components. **(Evaluation)**
- d. Collect information on the project after its completion by surveying the clients and comparing projects expectations and results to evaluate design, construction and business practices. **(Synthesis)**

Assessment of Learning Outcomes:

Assessments are determined by measuring the ability of each student to retain the learning objectives of the course. Performance –based methods, such as completion of learning objectives of the course, performance-based methods, such as completion of assigned projects, general knowledge test, oral and written presentations of assignment, group discussion, observation of mastery of critical skills, analysis of the final competition project, class participation and attendance including involvement with the Angel On-Line learning system will determine the final grade of this course.

Outline of Course Work:

Do the necessary textbook reading and corresponding homework before coming to class. Use the instructor's comments and suggestions to improve your work.

Texts:

Reference Books:

Davis, A., & Fisher, R. R. (2016). *Kitchen & bath: Sustainable design*. Wiley. ~Text~

Germer, J. (2016). *Kitchen & bath: Residential construction & systems* (2nded.). Wiley. ~Text~

Krohn, M. (2016). *Kitchen & bath: Design presentation* (2nded.). Wiley. ~Text~

Beamsih, J., Parrott, K., Emmel, J., & Peterson, M.J. (2013). *Kitchen Planning* (2nd ed). Wiley. ~Optional Text~

Cheever, E. (2016). *Kitchen & bath: Products & materials* (2nded.). Wiley. ~Optional Text~

NKBA. (2013). *Bathroom planning: Guidelines, codes, & standards* (2nd ed). Wiley ~Optional Text~

Expectations of a College Writer

In any paper, correspondence, or other written communication with your instructor, you must adhere to the following standards:

1. Communicate using Standard English. Papers, correspondence or electronic communications using computer Instant Message Chat Slang or jargon or any such slang, lingo, or other computer-related language will not be accepted.

2. Correctly spell and use the appropriate forms of words (use spell check).
3. Begin each sentence with a capital letter and end with proper punctuation.
4. Write complete sentences that are clearly worded, not garbled and confusing. Do not use fragments, comma splices or run-on sentences.
5. Avoid glaring grammatical errors. Look up the grammar rules if you do not remember the appropriate usage. Seek help in the learning labs or a grammar handbook.
6. When preparing a paper, create a thesis sentence that states the main idea of the essay or a topic sentence that states the main idea of the paragraph.
7. Organize the major supporting ideas and information so that the reader can follow.
8. Read your work aloud; then, revise and edit it. If you cannot come into our campus learning lab for assistance, you may wish to use the service of **Smart thinking**, an online writing review program. This site provides access to professional online writing tutors. Students receive a detailed, personalized critique of any written assignment, such as an essay, report, personal statement, cover letter, resume, or creative story. Students may choose a 30-minute review or a 60-minute review for longer essays.
9. Use appropriate citation style for all research papers. Confirm with your instructor the appropriate format to use.

Expectations of Students

1. Satisfactorily complete all class assignments.
2. Contribute to class discussion.
3. Satisfactorily complete two written examinations.
4. Execute two design projects in acceptable form.
5. Present two projects for videotaping, view tapes, and complete self-analysis.
6. Participate in peer evaluation.

GRADING Division

- 30 points maximum – Final Oral Project Presentation
- 20 points maximum – Total for each of two Exams, Midterm and Final Exam
- 20 points maximum – Smaller Projects (Video Taping?)
- 5 points maximum – Handouts/ Homework
- 5 points maximum – Peer Evaluation
- 10 points maximum – Attendance and Punctuality

Grading Scale

90 – 100	= A
80 – 89	= B
70 – 79	= C
60 – 69	= D
Below 60	= F

Course Requirements:

- Competition Project

Policy on Late Work or Make-Up Exams

Work handed in over one week late will have 10 points automatically removed from their grade. Visual Presentation will be handed in on the dates indicated and Oral Presentation will be given on the dates assigned. Only in extreme circumstances will late presentation be considered for grading and are subject to approval by the instructor.

Special Needs

If you have any special needs or requirements pertaining to this course, please discuss them with the instructor early in the term.

Syllabus Disclaimer

This syllabus is subject to change at the discretion of the instructor. Changes will be distributed when appropriate as an addendum to the syllabus. The course goals, objectives, and student competencies do not change.

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Syllabus

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Withdrawal and Attendance Policy

It is the student's responsibility to withdraw from the class by **June 2, 2016**, with a grade of "W".

Davis, A., & Fisher, R. R. (2016). *Kitchen & bath: Sustainable design*. Wiley.
Chapters: 3,4,5

Germer, J. (2016). *Kitchen & bath: Residential construction & systems* (2nded.). Wiley.
Chapters: 1,2,4,6,7,8,9,10,11

Krohn, M. (2016). *Kitchen & bath: Design presentation* (2nded.). Wiley.
Chapters: 2,6,7,8