



INTERIOR 1061 CAMELBACK RD P. 949.675.4451
DESIGNERS NEWPORT BEACH F. 949.759.0667
INSTITUTE CA 92660 www.idi.edu

SUBJECT: RESIDENTIAL KITCHEN AND BATH DESIGN - #441

(12 Week Syllabus) – Fall 2020

FACULTY: Chris Kittrell, CID, Allied Member ASID, Member NKBA ckittrell@idi.edu

REQUIRED TEXTS:

NKBA National Kitchen & Bath Association. 2013. Kitchen Planning, Guidelines, Codes, Standards. Second Edition. John Wiley & Sons, Inc. Hoboken, New Jersey.

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COURSE DESCRIPTION:

This course is a study of “Residential Kitchen and Bath Design”. This course takes a real-world approach to teaching the student the skills needed to be a kitchen and bath designer. This course navigates through the complete kitchen and bath design process, from the first meeting with the client, to measuring and interviewing, and through the project management phase. Students will learn how to space plan, about the various products involved in the kitchen and bath, how to draft the necessary documents, and current information about sustainability and universal design concerns for these specific rooms.

COURSE STRUCTURE AND STUDENT RESPONSIBILITY:

Prompt and regular attendance to all classes, deadline time constraints, and complete work is stressed in the course in preparing the individual student for the pressures and accepted professional work standards encountered in the interior design profession. Students should demonstrate professional behavior at all times, which includes, but is not limited to, attending all class meetings and recommended field trips, arriving/departing from class according to schedule, working in class, treating all students and faculty courteously, preparing for class meetings (having completed homework, bringing required materials and reference texts), contributing to a team environment, and keeping all work areas neat and clean.

Assignments: All assignments are due at the beginning of each class, unless otherwise noted. Failure to turn in a project either before or at the required designated time may negatively impact your grade.

School Attendance Policy: Each student may have two total absences. However, more than two consecutive class meeting absences or three non-consecutive class meeting absences per course may result in the student being withdrawn from that course.

- **NO MAKE-UPS FOR ANY QUIZZES MISSED – 5 POINTS WILL BE DEDUCTED FOR LATE ASSIGNMENTS**
- **COMPLETION OF PROJECTS AT SCHEDULED TIMES, DUE AT BEGINNING OF CLASS**
- **PLEASE MUTE YOUR SPEAKERS DURING LECTURES – THERE WILL BE A Q & A PERIOD AFTER LECTURE**
- **TEXTING IN CLASS IS NOT PERMITTED**
- **HOMEWORK WILL BE SUBMITTED BY UPLOADING FILES TO CANVAS.**
- **NO RECORDING OF LECTURES OR PHOTOS OF NOTES ON BOARDS ARE PERMITTED.**

Grading: See Residential Kitchen & Bath Grade Summary (download file).

RESIDENTIAL KITCHEN AND BATH DESIGN

CLASS 1: September 17 - COURSE INTRODUCTION/OVERVIEW

Introduction to and overview of the course

Review of Syllabus, Class Assignments, Grading, Final Project & Due Dates Explained

LECTURE: - Kitchen/Bath History and Trends

Overview of Kitchen and Bath Design Process

Initial steps when working with a client, preliminary consultations

Interviewing, estimating and measuring

Goals & Purpose, Objectives

Infrastructure Considerations

- **Reading Assignment:** Kitchen & Bath Textbooks - Chapters 1, 2, 10
- **Assignment:** Client Scenario - Goals & Objectives – **Due Sept 9/24 (1 week)**

CLASS 2: September 24 - SPACE PLANNING

Quiz 1 on both Kitchen & Bath: Chapters 1, 2, 10

LECTURE: The Design Process

Anthropometry, Ergonomics, Universal Design

Interviewing the Client, Needs Assessment Checklists (K & B)

- **Reading Assignment:** Kitchen & Bath Textbooks – Chapters 4 & 5
- **Assignment:** Client Needs Assessment Checklists – **Due Oct 1 (1 week)**

CLASS 3: October 1 - KITCHEN AND BATH PLANNING

LECTURE: Kitchen & Bathroom Planning

Location & Types of Kitchens – Current Styles & Trends, Style Descriptions

Activity Centers – Bubble Diagrams

Kitchen – Serving, Dining, Entertaining, Outdoor Kitchens

Locations & Types of Bathrooms

Storage – Both Kitchen & Bath

Bathroom – Grooming, Bathing, Dressing

Linen Storage, Closets, Bath Accessories

- **Reading Assignment:** Kitchen & Bath Textbooks – Chapters 6
- **Assignment:** Bubble Diagrams – Kitchen & Bath – **Due 10/8 (1 week)**

CLASS 4: October 8 - KITCHEN & BATH PLANNING – MECHANICAL PLANNING

LECTURE: Kitchen Appliances & Plumbing, Bathroom Plumbing

Electrical, Gas, Heating, Cooling, Water Heating, Ventilation

Lighting – Current Regulations – Review Lighting Legends

NKBA Guidelines – Kitchen & Bath Illustrations & Layouts, Legends & Schedules

Existing Floorplans, Demo/Construction Plans, Proposed Layouts

- **Reading Assignment:** Kitchen & Bath Textbooks - Chapters 7
- **Assignments:** Existing & Construction/Demo Plans & first DRAFT Proposed – **Due 10/22 (2 weeks)**

CLASS 5: October 15 – FIELD TRIP – PLUMBING & APPLIANCE SHOWROOM

LECTURE: During tour – Current appliances & plumbing products

- **Assignment:** Appliance and Plumbing Specifications – **Due 10/29 (2 weeks)**
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CLASS 6: - October 22 - UNIVERSAL AND ACCESSABILITY IN PRACTICE

LECTURE: Universal vs. Accessible Design

Characteristics of Specific Users

Addressing Differences

Expectations for inclusion in Proposed Designs for Kitchen & Bath

LECTURE: Kitchen & Bath Adjacent Rooms

Kitchen: Outdoor Kitchens, Laundry Areas, Gardening, Crafts, Hobby Workspaces

Bathroom: Dressing Areas, Linen Closets, Laundry Areas, Exercise Rooms, Home Spas

In class Question & Answer discussion - Preliminary Layouts of Proposed Designs

Selection of Style for Kitchen & Bath – Student Declaration of Style

- **Reading Assignment:** Kitchen & Bath Textbooks – Chapter 8 & 9
 - **Important Due Date: 3 Plans Due Today – Existing, Construction/Demo & DRAFT Proposed**
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CLASS 7: October 29 - ENVIRONMENTAL & SUSTAINABILITY CONSIDERATIONS

LECTURE: Environmental Sustainable Design and Building

Green Building Programs

Choosing Sustainable Products

Energy issues and Building Codes

Water, Efficient and Sustainable Use of Water

Water leaks, Gray water

Air Quality, Moisture and Indoor Air Quality

LECTURE: Environmentally Friendly Materials

- **Reading Assignment:** Kitchen & Bath Textbooks, Chapter 4
 - **Assignment:** Revised & Final Kitchen & Bath Proposed Plans - **Due 11/12 (2 weeks)**
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CLASS 8: November 5 - KITCHEN AND BATH DESIGN – MATERIALS

LECTURE: Material Selections

Understanding materials specifications

Most current trends, new materials & sustainable options

LECTURE: Lighting & Electrical (Review Mechanical Plan Requirements)

Review current Lighting & Electrical requirements for plans

- **Reading Assignment: Review Chapter 8**
Kitchen: Re-read pages 286 –291, 299, 315-316,
Bath: Re-read pages 223 – 227, 287-287, 299 – 300
- **Assignment:** Mechanical Plan for Proposed Design – **Due 11/19 – (2 weeks)**
Must include: Lighting Legend, Appliance & Plumbing Schedule
Fixtures, Switching Plan, Circuit requirements for Appliances and Receptacles.
(Refer to pages K – 266 & B – 206, and handouts)

CLASS 9: November 12 - KITCHEN & BATH ELEVATIONS

LECTURE: Cabinetry Elevations, Dimension & Extension Lines, Receptacles

Understanding Cabinetry construction
Importance of cabinetry elevations and specification
Specifying cabinetry styles and materials

- **Reading Assignment:** Kitchen & Bath Textbooks, Chapter 10
- **Assignment:** - Cabinetry Elevations for 2 walls each space (K & B) – **Due 12/3 (3weeks)**
- **Kitchen - Must include:** Range or Cooktop Wall & Refrigerator Wall
- **Bath – Must include:** Sink Vanity Wall, Tub/Shower Wall

CLASS 10: November 19 – CABINETRY BASICS – GUEST SPEAKER OR FIELD TRIP

LECTURE: Current cabinetry trends, products, finishes & hardware

CLASS DISCUSSION:

Color Rendering Expectations for final Project Notebook

Assignment: Finalize material selections – Physical samples **Due Dec 10 (2 weeks) part of Presentation**

Assignment: Color Rendering for Kitchen & Bath – **Due Dec 10 – (2 weeks) in Project Notebook**

Continue working on Final Project Notebook preparation

NO CLASS ON NOVEMBER 26 – THANKSGIVING BREAK

CLASS 11: December 3 - PROJECT MANAGEMENT FOR KITCHEN AND BATH

Class Q & A on Final Project - Questions on details, binder requirements

LECTURE:

Project organization, Project schedule, Visiting the Job Site, Maintenance and Care Forms
Punch List – Check List, Post Project Survey

PRESENTATION EXPECTATIONS REVIEWED

10" verbal per student (5" for Kitchen 5" for Bath)
Presentation of Project Binder per Grade Summary & Syllabus
Material samples – Kitchen & Bath (3 materials for each space)

CLASS 12: December 10 - STUDENT PRESENTATIONS, DISPLAY MATERIALS, SUBMIT BINDERS – DROP OFF

8.5" X 11" Black Binder, Clear Cover, Name, Spring Term 2020 Residential Kitchen & Bath

Plan View = $\frac{1}{4}$ " Scale, Elevations = $\frac{1}{2}$ " Scale, both on 11" X 17" title block paper, folded to fit in binder

Binder must be "tabbed" as shown on Kitchen & Bath Grade Summary Sheet

All assignments in sequence, All Kitchen, All Bath

Binder to have Kitchen Section, then Bath Section – Place Concept Renderings first in each section

Insert Tabs in the sequence shown on Grade Summary Sheet.