

Santa Rosa Junior College

Interior Design Program

Spring Semester 2024 Course..

Course Title: **Kitchen and Bath Design,**

Course Number: INDE 122

Number of Credits: 3

Shari Canepa ASID, CID, LEED, CGBP, MA,ed ,NCIDQ

Office Hours: By appointment before and after class (or when you need help) 310-386-1318 cell scanepa@santarosa.edu or for quicker response shari@interiorspacesinc.com

CLASS INFORMATION:

Required Texts:

Mondays 10:00am-2:00pm (4 hours per week) Classroom 187 Lindley Hall (new Bldg)
class materials via CANVAS <https://canvas.santarosa.edu/>



NKBA Kitchen and Bathroom Planning Guidelines with Access Standards, 2nd Edition

NKBA (National Kitchen and Bath Association)

E-Book, Print. Starting at \$11.00

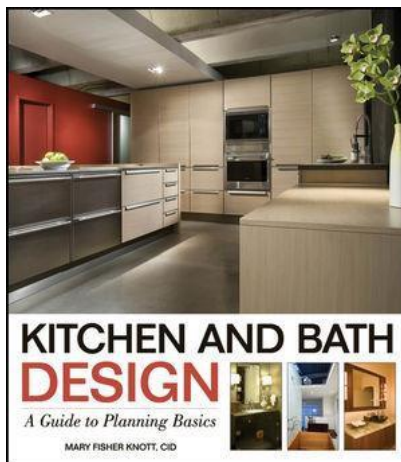
OR

* The NKBA Knowledge Base which is an online resource only available to NKBA members for around \$100.00 per year.

NKBA student membership is free

IMPORTANT: PLEASE CLICK ON THESE 3 LINKS If y: <https://nkba.org/students/>
<https://nkba.org/students/join/> <https://nkba.org/knowledge-base/>

OPTIONAL:



Kitchen and Bath Design: A Guide to Planning Basics

Dec 2010

Mary Fisher Knott

Required Supplies, Equipment and Programs:

* Computer (desktop or laptop) with reliable internet connection and a presentation software program such as PowerPoint, Keynote or Google Slides * Cell phone or camera

AND EITHER:

* Access to a design software program with which you are familiar enough to create CAD drawings for kitchens and baths (including floor plans, elevations,

etc.) OR

* Drafting equipment including drafting board, vellum, and drafting tools

Additional Suggested Viewing and Reading (most available online for free):

* California Buildings codes - <https://www.dgs.ca.gov/BSC/Codes> * Sonoma County Building Codes -

<https://sonomacounty.ca.gov/PRMD/Services/Inspection-Scheduling/Building-Inspection-Codes/>

* City of Santa Rosa Building Codes -

<https://srcity.org/Search?searchPhrase=building%20codes>

* You-Tubes as per class assignments in Canvas

* Websites: To keep up with at your leisure:

<https://www.apartmenttherapy.com/>, www.houzz.com,

www.remodelista.com, www.gardenista.com, www.pinterest.com, (start journal),
www.interiordesign.net (magazine)

Additional Suggested Texts for K & B interior Designer Specialty:

K&B



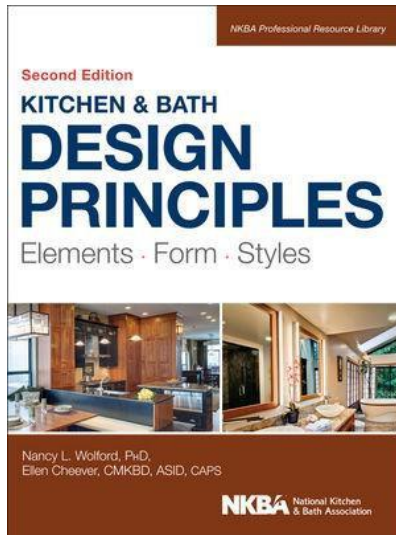
Kitchen & Bath Products and Materials: Cabinetry, Equipment, Surfaces, 2nd Edition

Nov 2014

Ellen Cheever, NKBA (National Kitchen and Bath Association)

E-Book, Print

Starting at \$75.00



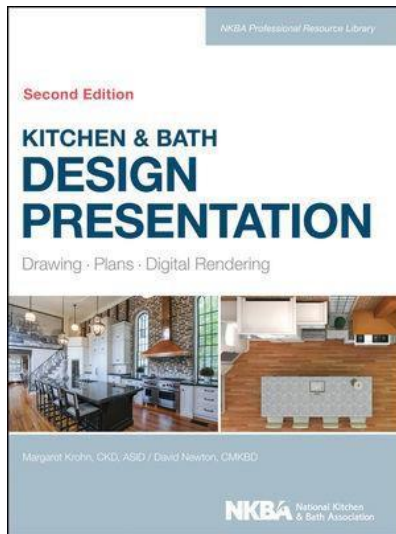
Kitchen and Bath Design Principles: Elements, Form, Styles, 2nd Edition

2nd Ed. | Jan 2015

Nancy Wolford, Ellen Cheever, NKBA (National Kitchen and Bath Association)

E-Book, Print

Starting at \$75.00



Kitchen & Bath Design Presentation: Drawing, Plans, Digital Rendering, 2nd Edition

Feb 2014

Margaret Krohn, NKBA (National Kitchen and Bath Association)

E-Book, Print. Starting at \$75.00



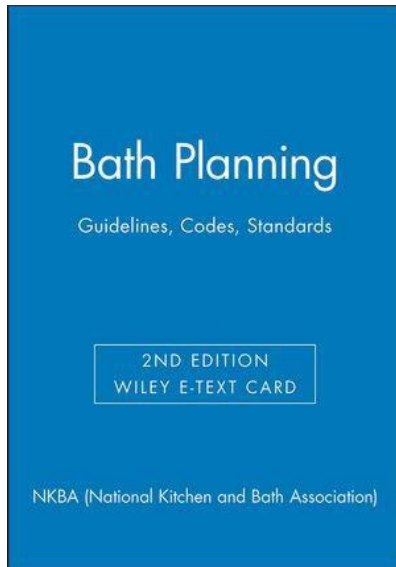
Bath Planning: Guidelines, Codes, Standards, 2nd Edition

Jan 2013

NKBA (National Kitchen and Bath Association)

E-Book, Print. Starting at \$87.00

OR

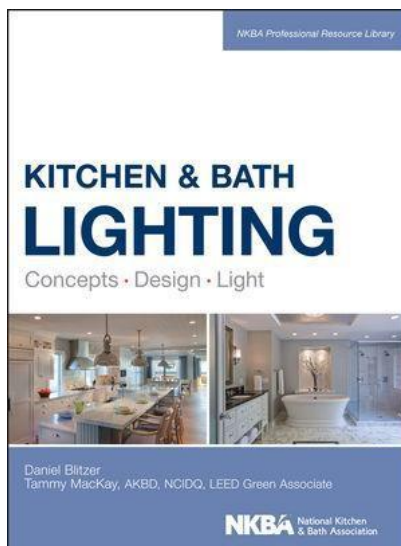


Bath Planning: Guidelines, Codes, Standards, 2e Wiley E-Text Card

Apr 2014

NKBA (National Kitchen and Bath Association)

Registration Card Starting at \$108.95

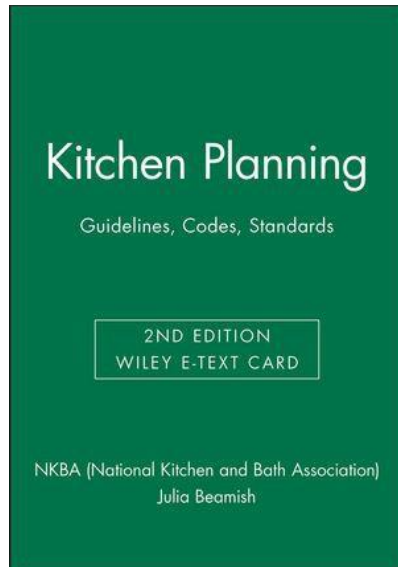


Kitchen and Bath Lighting: Concept, Design, Light

Mar 2015

Dan Blitzer, Tammy Mackay, NKBA (National Kitchen and Bath Association)

E-Book, Print



Kitchen Planning: Guidelines, Codes, Standards, 2e Wiley E-Text Card

2nd Ed. | Apr 2014

NKBA (National Kitchen and Bath Association), Julia Beamish

Catalog Description of Course:

Principles and elements of interior design for creating efficient and aesthetically pleasing kitchens and baths. Topics include space planning, equipment, appropriate materials, and building codes. Application of National Kitchen and Bath Standards for interior design. Students must provide their own drafting supplies.

Recommended Preparation:

- Course Completion of INDE 20.
- Course Completion of INDE 50.
- Some Digital Graphics (either Auto Cad, Revit, Chief Architect, Sketch up, Rhino, etc) Hand drafting is also possible but not recommended.

Student Learning Outcomes:

Upon completion of the course, students will be able to:

- Design a kitchen utilizing professional guidelines and standards from the National Kitchen and Bath Association (NKBA).

- Design a bathroom utilizing professional guidelines and standards from the National Kitchen and Bath Association.
- Specify all appliances, furnishings, fixtures, cabinetry, materials, and equipment for specific design layouts.

Objectives:

During this course, the students will:

- Discuss the history of kitchens and baths in the United States.
- Demonstrate the use of the elements and principles of interior design in kitchen and bath planning.
- Analyze the functions of kitchens and baths and create designs accordingly.
- Determine the availability of kitchen appliances and bath fixtures in the marketplace and make appropriate selections based on cost, size, features, advantages, disadvantages, and incorporate those selections into kitchen and bath designs.
- Describe the three centers of the work triangle and plan an efficient kitchen accordingly.
- Compare and contrast the six common kitchen floor plans and describe the advantages and disadvantages of each.
- Select materials and lighting for use in kitchens and baths based on availability, cost, features, and advantages and disadvantages, and incorporate into kitchen and bath designs.
- Determine ventilation requirements for kitchen and bath designs.
- Design a kitchen and bathroom to meet a client's requirements and lifestyle.

Topics and Scope:

- I. Overview of the history of kitchens and baths in the United States
- II. Elements and principles of design in kitchens and baths
- III. Basic use of kitchens for food preparation
- IV. Appliances used in kitchens
- V. Baths functions and features
- VI. Fixtures & Fittings used in baths
- VII. Kitchen and bath storage
- VIII. Materials and lighting for kitchen and baths
- IX. Ventilation needs in kitchen and bath
- X. Planning efficient kitchen layouts
- XI. Bathroom floor plans
- XII. Professional considerations

Grading:

Attendance: 15% Canvas Participation: 10% Class Presentations: 10% Homework: 30%
Mid-Term Exam/Project: 15% Final Exam/Project: 20%

Deliverables:

- Reading
- Weekly Assignments/Homework
- Class Presentations
- Mid Term Exam/Project - Bath
- Final Exam/Project - Kitchen

Required Weekly Assignments/Homework Include:

- All homework assignments will be explained in detail the week before they are due
- Reading an average of 20 pages per week (beginning of semester heavier than the end)
- Checking CANVAS after class each week for additional information
- Reading and/or watching links and you-tubes (found in CANVAS) each week
- We will be scheduling on-site field trips:
 - Bath and Kitchen Fixtures/Fittings
 - Stone & Tile
 - Cabinetry

Additional Information:

- Students are to adhere to the Student Conduct Standards (see catalogue).
- All cellphones off during class time.
- HOMEWORK: will only be accepted for full credit on the date it is due. However, you may submit homework late via CANVAS for partial credit.

Class Schedule: Spring 2024

Syllabus subject to change

Week 1: Monday, January 15. HOLIDAY (No School)

Week 2: Monday, January 22nd (GENERAL K&B)

LECTURE: KITCHENS AND BATHS ARE ALL ABOUT GIVE AND TAKE

- Student introductions – why you are taking this course and what type of experience you have in kitchens and baths.
- Introduction to the course including:
 - NKBA's student membership
 - NKBA's Knowledge Base
 - Chief Architect's student license
 - General explanation of Mid-Term & Final Exam: Bathroom Project and
- Overview of NKBA Professional Development and Resources:
 - Certification
 - CEU Program (including free NKBA webinars)
 - Specialty Badge Program
- Kitchen and Bath History & Trends
- Fundamentals: Elements & Principles of Design

HOMEWORK: Student Bath Presentations

- Assignment: 1st 2nd and 3rd choice for presentations on Baths.
- Presented on Feb 5th and Feb 26th
- 10 min. Max time for presentation on: Slides or ppt or Canva
- Share in "discussion" and upload to Grade in Canvas

Building Codes

Space planning

Toilets

Faucets and fittings

Shower

Walls and ceilings

Floors

Windows and Doors

Sinks and Vanities
Counters

Lighting

Plumbing and Heating

Measuring team for SF Mid Term Bath (date to be determined before Feb 5th)

Week 3: Monday, January 29 (GENERAL K&B)

LECTURE: COMMUNICATION IS KEY, BUT THE DEVIL IS IN THE DETAILS (Shari)

- Kitchen & Bath Drawing & Drafting Standards
- Introduction to Chief Architect
- Construction & Building Codes

IN CLASS:

Discuss Mid-Term and Student Presentations

On-site student team on Feb 7,8,9th in SF for photos, measuring, and Chief drawing to distribute to the rest of the class.

- HOMEWORK:
 - Assignment (optional): Watch Chief Architect training videos if you are planning on using Chief Architect. See CANVAS for details.
 - Assignment: **Bath Presentations Students**
 - Read NKBA Kitchen & Bathroom throughout the semester

Week 4: Monday, Feb 5 (BATH)

LECTURE: EVERYBODY USES BATHROOMS (Shari)

- Bath Planning Introduction:
 - NKBA Bath Guidelines

- Human Factors: Proxemics & Anthropometrics for Bathrooms
- Programming and Assessing Needs for Bathrooms

IN-CLASS

- (Students Bath Presentations)

Mid-Term Project will be explained

Zoom meeting with SF Bath Client-Hillary

HOMEWORK:

- Assignment: Mid-Term Project: Bath design Complete the personal program portion for the bath design mid-term project.
- Be prepared to discuss any questions you have regarding your project with Shari during class 5 .
- Work on Student Bath Presentations
- Read

Week 5: Monday, February 12 FIELD TRIP #1

LECTURE: no

IN-CLASS: no

- More information to come
- See CANVAS for details.

HOMEWORK:

- Assignment: Complete Filed Trip #1 Project. See CANVAS for details. Must be submitted via Canvas by 11:59 pm on Sunday, February 25th .
- Assignment: Continue working on the Mid-Term Project: Bath design. See CANVAS for details.
- Read

Week 6 NO CLASS: Monday, February 19th – Washington's Day Holiday

Week 7: Monday, February 26 (BATH)

LECTURE: IF WE DON'T HAVE A PLANET, WE DON'T HAVE KITCHENS OR BATHS (Shari)

- Environmental & Sustainability Considerations for Kitchens and Baths

IN CLASS:

Student Bath Presentations

- Discuss any questions you have regarding your Mid-Term project with Shari.

HOMEWORK:

- Assignment: Continue working on the Mid-Term Project: Bath design. See CANVAS for details. Must be submitted via Canvas by 11:59 pm on Sunday, March 3 .

Week 8: Monday, March 4 (BATH) MID TERM

Lecture: No

IN CLASS:

Presentation to Client

MID-TERM PROJECT DUE PRIOR TO THIS CLASS

- Mid-term Project Presentations to Client

HOMEWORK:

- Assignment: 1st 2nd and 3rd choice for presentations on Kitchens.
- Presented on March 11, April 8, 22,
- 10 min. Max slides or ppt or Canva
- Share in "discussion" and upload to Grade in Canvas
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Building Codes

Space planning

Storage & Pantries

Appliances

Walls and ceilings

Floors

Windows and Doors

Sinks

Faucets and fittings

Cabinetry

Hardware

Counters

Lighting

Plumbing and Heating

- Assignment: work on Student Kitchen Presentations
- Read

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Week 9: Monday, March 11 (KITCHEN)

LECTURE: DEBATE: ARE KITCHENS DISAPPEARING OR ARE THEY THE HEART OF THE HOME?

IN CLASS:

- Student Presentations Kitchen
- Final Exam/Project will be explained

HOMEWORK:

Kitchen Final project

Week 10 NO CLASS: Monday, March 19th – SPRING BREAK (March 18th – March 24th)

Week 11: Monday, March 25(KITCHEN)

Lecture: Meet the Client

Discuss program

In-Class: Student Presentations Kitchen

HOMEWORK:

Work on Student Presentations

Work on Kitchen Final Project

Read

Week 12: Monday, April 1. NO CLASS HOLIDAY

Week 13: Monday, April 8 (KITCHEN)

LECTURE: BIG VERSUS LITTLE: UNDER STAIRWAYS VERSUS 20 PERSON KITCHENS (Shari)

- Kitchen Planning:
 - 7 Kitchen Layouts
 - Kitchen sizes
 - Kitchen centers
- Kitchen Planning continued:
 - Motion Economy
 - Kitchen Zones and Storage
 - Storage Calculation
 - Work Triangle

IN Class:

Student Kitchen Presentations

HOMEWORK:

- Assignment: Continue working on Final Exam/Project. 59pm on Monday, May 22nd .
- Read

Week 14: Monday, April 15 FIELD TRIP #2

LECTURE: no

IN-CLASS: no

- More information to come
- See CANVAS for details.
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- HOMEWORK:
- Assignment: Complete Filed Trip #2 Project. See CANVAS for details. Must be submitted via Canvas by 11:59 pm on Sunday, April 21 .
- Read
- Assignment: Continue working on Final Exam/Project.

Week 15: Monday, April 22 (KITCHEN)

LECTURE: LIGHTING & MECHANICAL

- Lighting & Mechanical Planning in Kitchen (including ventilation)
- Lighting & Mechanical Planning in Baths (including ventilation)

IN CLASS: Student Kitchen Presentations

HOMEWORK:

- *Assignment: Complete your Final Exam/Project.
- Be ready to present your Final Exam/Project, in class, on Monday, May 13th .
- Revisions may be made to your Final Exam/Project following your presentation. Your final version must be submitted via CANVAS by 11:59pm on Monday, May 20.
- • Assignment: Reading

Week 16: Monday, April 29 FIELD TRIP #3

LECTURE: no

IN-CLASS: no

- Assignment: Complete Filed Trip #3 Project. See CANVAS for details. Must be submitted via Canvas by 11:59 pm on Sunday, May 5th .
- More information to come
- See CANVAS for details.

Week 17: Monday, May 6 (KITCHEN)

Lecture:TBD

In-Class: TBD

Week 18: Monday, May 13

Kitchen Final Project Presentation to Client

FINAL PROJECT DUE PRIOR TO THIS CLASS in Canvas

IN CLASS:

- Final Exam/Project Presentations
- HOMEWORK:
 - Assignment: Revisions may be made to your Final Exam/Project

following your presentation. Your final version must be submitted via CANVAS by 11:59pm on Monday, May 22nd .

*FINAL EXAM/PROJECT: Revisions that you make based on the Shari's feedback during the final exam/project presentations are due electronically no later than 11:59pm on Monday, May 20.

Week 19: Monday, May 20

Hand in Final Exam on Canvas