

ID A280: INTERIOR DESIGN STUDIO - BATH DESIGN

Item	Value
Curriculum Committee Approval Date	10/20/2021
Top Code	130200 - Interior Design and Merchandising
Units	2 Total Units
Hours	72 Total Hours (Lecture Hours 18; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S)

Course Description

Analysis and application of the design process to the space planning, materials and finish choices, codes application, and selection of specialized items, fixtures, and equipment unique to the bath space. Design solutions for residential bathrooms will be developed in the studio. PREREQUISITE: ID A170. ADVISORY: ID A260. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Apply National Kitchen and Bath Association (NKBA) guidelines and graphics standards and accessibility standards to design solutions.
2. Evaluate and specify materials, finishes, equipment, and lighting for bathrooms.
3. Produce graphic depictions of complete design solutions for bathrooms, in presentation quality.

Course Objectives

- 1. Research functional needs of bathrooms and apply information to bathroom space planning projects.
- 2. Recognize and apply appropriate codes and NKBA guidelines that are applicable to bathroom spaces.
- 3. Evaluate, select, and specify materials, equipment and finishes for bathrooms.
- 4. Develop complete design solutions for bathroom spaces.
- 5. Communicate design ideas for bathroom spaces in graphic, written, and oral forms.
- 6. Develop basic understanding of project responsibilities and business management.

Lecture Content

A. Determine functional needs of the bathroom. 1. Developing a client program 2. Site measure 3. Determining possibilities and limitations. 3. National Kitchen and Bath Association (NKBA) Guidelines, International Residential Codes (IRC), and accessibility standards for bathroom planning. 4. Universal Design considerations versus minimum code

requirements. B. Building and Mechanical Systems of the home and bathroom. 1. Structural 2. Plumbing 3. Electrical 4. HVACC. Product specification and requirements 1. Cabinetry and nomenclature 2. Storage 3. Appliances 4. Fixtures 5. Fittings 6. Surfaces 7. Environmental and energy considerations 8. Health / Safety 9. Ergonomic factors 10. Maintenance factors 11. Performance considerations 12. Aesthetics D. p; Creating a complete set of design documents using NKBA drawing standards for bathroom design 1. Floor plan and specifications 2. Mechanical plan and legend 3. Elevation 4. Construction plan and legend 5. Perspective Views 6. Written design statement 7. NKBA design survey form 8. NKBA specifications form 9. Presenting documents to client E. Lighting 1. General lighting 2. Task lighting 3. Accent lighting 4. CA Title 24 energy standards F. Job installation and project management 1. Communication at the jobsite. 2. Requirements for the installers and sub contractors. 3. Scheduling and record keeping. 4. Follow up 5. G. Business Management 1. Job costing 2. Marketing 3. Client Relationship 4. Compensation and pricing strategies 5. Career opportunities in bathroom design 6. Future trends in bathroom design

Lab Content

A. Determine functional needs of the bathroom. 1. Client program development and site measurement 2. Determine possibilities and limitations B. Research and Review 1. National Kitchen and Bath Association (NKBA) Guidelines 2. International Residential Codes (IRC), and accessibility standards for bathroom planning. 3. Universal Design considerations versus minimum code requirements. C. Building and Mechanical Systems of the home and bathroom. 1. Structural and Plumbing 2. Electrical and HVACC. Product specification and requirements 1. Environmental and energy considerations 2. Health and Safety consideration 3. Ergonomic factors 4. Maintenance factors 5. Performance considerations Cabinetry and nomenclature E. Design documents preparation using NKBA drawing standards for bathroom design 1. Floor plan, product and material specifications 2. Mechanical plan and legend 3. Elevation 4. Construction plan and legend 5. Perspective Views 6. Written design statement 7. NKBA design survey form 8. NKBA specifications form 9. Lighting and CA Title 24 energy standards

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)
- Lab (04)
- DE Live Online Lab (04S)
- DE Online Lab (04X)

Instructional Techniques

Lecture, reading assignments, demonstration, laboratory, critique (instructor/student), multimedia, research, and student presentation.

Reading Assignments

Students will be expected to complete reading assignments from the required text, printed hand-outs, library resources, and research online articles throughout the course. (8 hours outside of lab time)

Writing Assignments

Assignments to learn drawing standards of a construction plan, floor plan, mechanical plan, and elevation. Quizzes to keep students on schedule with academic body of knowledge before Midterm and Final examinations. Written Midterm assessing student s academic knowledge

of building systems, NKBA guidelines, and drawing standards. Written Final assessing the student s cumulative academic knowledge of building systems, NKBA guidelines, drawing standards, bathroom products and materials, project and business management.(8 hours outside of lab time)

Out-of-class Assignments

(20 hours outside of lab time) Research specific program requirements for a bathroom project and prepare a complete set of design documents that includes a construction plan, floor plan, elevation, mechanical plan, design statement and specification form that serve as a viable solution for a new bathroom. Documented research with comparison of specific types of bathroom products. Oral presentation given to class.

Demonstration of Critical Thinking

Student projects, class presentations, research, student participation, group collaboration, and attendance.

Required Writing, Problem Solving, Skills Demonstration

Student projects, class presentations, research, student participation, group collaboration

Eligible Disciplines

Interior design: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Beamish, Julia. Parrott, Kathleen. Emmel, JoAnn, Peterson, Mary Jo. Kitchen Planning: Guidelines, Codes, Standards, ed. New Jersey: National Kitchen and Bath Association, 2015
2. Required Beamish, Julia. Parrott, Kathleen. Emmel, JoAnn, Peterson, Mary Jo. Bath Planning: Guidelines, Codes, Standards, ed. New Jersey: National Kitchen and Bath Association, 2015
3. Required Cheever, Ellen. Design Principals: Color, Form, Style, ed. New Jersey: National Kitchen and Bath Association, 2015
4. Required Cheever, Ellen. Kitchen and Bath Project Management: Installation, Contractors, Cost Controls, ed. New Jersey: National Kitchen and Bath Association, 2015
5. Required Cheever, Ellen. Kitchen Bath Products: Materials, Equipment, Surfaces, ed. New Jersey: National Kitchen and Bath Association, 2015
6. Required Darlington, Hank. Cheever, Ellen. Kitchen Bath Business Management: Financials, Personnel, Operations, ed. New Jersey: National Kitchen and Bath Association, 2015
7. Required Germer, Jerry. Residential Construction, Systems, Materials, Codes, ed. New Jersey: National Kitchen and Bath Association, 2015
8. Required Germer, Jerry. Kitchen Bath Systems Mechanical, Electrical, Plumbing, ed. New Jersey: National Kitchen and Bath Association, 2015
9. Required Newton, David. Hayes, Kelly. Kitchen Bath Drawing: Presentation, Plans, Perspectives, ed. New Jersey: National Kitchen and Bath Association, 2015