



Course Description

IND2210 | Interior Design 3 | 4.00 credits

Projects provide practice in planning traditional and contemporary interiors including working drawings and specifications. Prerequisite: IND1200; corequisite: IND2330.

Course Competencies:

Competency 1: The student will identify responses to the psychological, physical, and social needs of users in commercial/hospitality interiors by:

1. Identifying diverse theories about the relationship between human behavior and the designed environment (e.g., aesthetics, environmental, social, psychological, cultural, anthropometrics, etc.)
2. Applying theories of human behavior to interior design to specialized project user requirements.
3. Illustrating spatial adjacency, utilization, circulation, light, and function according to programmatic needs.
4. Synthesizing concepts of space utilization through sketching and schematic drawings.

Competency 2: The student will demonstrate proficiency in the knowledge and application of the programming principles by:

1. Conducting site analysis that involves reviewing architectural plans or documenting space (e.g., locating utilities, structural elements, etc.)
2. Applying space planning, furniture layouts, and human factors in commercial/hospitality design
3. Demonstrating an initial design concept based on analysis and documentation findings
4. Identifying sustainable design objectives
5. Developing spatial relationship diagrams using design development graphic tools (bubble diagrams, adjacency matrices, charts, stacking/zoning diagrams, block /square footage allocations)

Competency 3: The student will incorporate evaluation, space planning, and layout into a commercial/hospitality design project by:

1. Developing multiple design solutions
2. Refining spatial relationship diagrams: adjacency, bubble, and block diagrams
3. Creating representative three-dimensional models and two-dimensional drawings of the design solution
4. Producing interior architectural and construction drawings using specialized software following industry drawing standards, methods, and conventions
5. Demonstrating a comprehensive presentation describing the design solution, including sketches, diagrams, architectural drawings, and models
6. Conducting verbal presentations of design solutions

Competency 4: The student will learn to select appropriate furnishings and materials in commercial/hospitality interiors by:

1. Analyzing criteria for the selection and arrangement of furnishings to be used by different users
2. Developing detailed furniture arrangement plans
3. Revising the design for code compliance
4. Demonstrating the advantages and disadvantages of materials specified in design projects (e.g., Furniture, flooring, wall coverings)
5. Specifying finishes and materials treatments are used according to acoustics, life safety considerations, and performance properties

Competency 5: The student will incorporate appropriate codes and regulations in a commercial/hospitality design project by:

1. Identifying code requirements affecting health, fire, safety, occupancy, and welfare in interior design solutions (universal/ accessible design)

2. Applying local, state, and national building codes and the UBC (Uniform Building Codes) to commercial/hospitality projects
3. Applying the Americans with Disabilities Act (ADA) requirements related to the design of commercial/hospitality projects
4. Analyzing and applying life safety requirements related to design solutions

Competency 6: The student will demonstrate knowledge of building construction methods and systems in commercial/hospitality interiors by:

1. Identifying various methods and techniques of building construction (e.g., wood, steel, concrete)
2. Describing basic building systems (mechanical, electrical, plumbing, structural, fire safety)
3. Recognizing the advantages of applying green design considerations to interior projects
4. Analyzing materials and assemblies employed in constructing partitions, walls, and ceilings for commercial/hospitality interiors
5. Differentiating among the different types of millwork woods, veneers, and finish materials used in commercial/hospitality applications
6. Designing specialized millwork and architectural woodwork details
7. Describing the uses and characteristics of doors/windows treatments and coverings, glazing, and film for energy and security considerations in commercial/hospitality applications

Competency 7: The student will demonstrate knowledge about the impact of lighting systems in interior design by:

1. Identifying lighting requirements in terms of specific purposes for lighting
2. Demonstrating how various means of controlling daylight affect commercial/hospitality interiors
3. Specifying appropriate lighting fixtures to perform efficiently and effectively in commercial/hospitality interiors
4. Identifying the factors of contrast and diffusion as they affect commercial/hospitality interior environments
5. Applying appropriate light distribution (ambient and task lighting) in commercial/hospitality interior design projects
6. Using reflected ceiling plans to apply appropriate fixture placement and location in interior design projects

Competency 8: The student will analyze the effects of sound on commercial/hospitality interiors by:

1. Describing fundamentals of sound absorption to evaluate means that might be employed to control the acoustic quality of a space
2. Analyzing issues of sound transmission and methods to tailor interior materials and components to specific uses of a space, allowing for appropriate speech privacy or transmission
3. Determining the layout and surface treatment of walls, ceilings, finishes, and spatial organization to achieve effective sound balance and comfort in an interior

Competency 9: The student will understand sustainable design practices by:

1. Identifying sustainable design practices
2. Analyzing the concept and terminology of green design/sustainable design
3. Estimating the cost of green/sustainable design for a commercial/hospitality project in contrast to other methods

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities
- Describe how natural systems function and recognize the impact of humans on the environment
- Demonstrate knowledge of global and historical perspectives