

# Common Course Outline

## INTD 241

### Studio 2: Commercial Design

3 Credits

## The Community College of Baltimore County

### Description

**INTD 241 – Studio 2: Commercial Design** builds on and refines the basic design skills and examines how to solve environmental, interior, and architectural problems through space analysis, planning, and development of commercial projects through a variety of contract typologies. Projects will showcase a variety of presentation formats including Computer Aided Design (CAD). Hospitality, food service, institutional, office and corporate design, healthcare and retail commercial typologies will be explored. Building codes, egress, and accessibility will be addressed and applied.

**3 Credits:** 2 lecture hours; 3 laboratory hours

**Prerequisites:** INTD 240 with a “C” or higher and CADD 101

**Corequisite:** INTD 236

### Overall Course Objectives

Upon completion of this course students will be able to:

1. interpret the role of an interior designer in a commercial project;
2. employ matrices and diagrams to fully visualize the space analysis process;
3. construct bubble diagrams and block plans for establishing workable spatial arrangements;
4. design residential interior spaces that address the psychological and physiological needs of the end-user;
5. design a building’s interior space with both functional and aesthetic considerations;
6. apply basic construction details, building codes, lighting and mechanical systems for residential spaces;
7. select, specify, and apply furniture, fixtures, and equipment, furnishings, art, and accessories appropriate to interior type and purpose;
8. employ various informational resources to specify furniture, interior elements and fabrics;
9. create orthographic drawing and sketching for the design process;
10. develop space plans to reflect the human relationship to space and the built environment;
11. apply universal design and ergonomic principles;
12. apply sustainable practices; and
13. produce visual presentations for design development and communication of a residential interior space.

### Major Topics

- I. Commercial design considerations
- II. Commercial or contract typologies

- III. The role of the commercial interior designer
- IV. Sustainable design practices
- V. The client in the interior design process
  - A. Communication
  - B. Programming
  - C. Stakeholders
  - D. End users
  - E. Economic factors
- VI. Human behavior and human relationship to space
  - A. Psychological needs of the end-user
    - 1. Privacy
    - 2. Interaction
    - 3. Cultural
    - 4. Familiarity
    - 5. Stability
  - B. Physiological and sociological needs of the end-user
    - 1. Space requirements
    - 2. Function
    - 3. Proximity
    - 4. Environmental considerations
    - 5. Ergonomics
- VII. Design Process
  - A. Programming
  - B. Design development
    - 1. Conceptual design
    - 2. Criteria matrix
    - 3. Prototypical plan sketches
      - a. Relationship diagram
      - b. Bubble diagram
      - c. Block planning
  - C. Construction documents and administration
  - D. Execution and installation
  - E. Completion
- VIII. Commercial space planning
  - A. Health, safety and welfare
    - 1. Building codes
    - 2. Egress
    - 3. Accessibility: American with Disabilities Act Accessible Guidelines
  - B. Construction documents
    - 1. Drawings and plans
    - 2. Construction details
    - 3. Mechanical systems
      - a. Lighting
      - b. Electrical
      - c. Data
      - d. Technology

- e. Heating, ventilation and air conditioning
- f. Plumbing
- g. Acoustics
- C. Specifications for commercial applications
  - 1. Material schedules
  - 2. Furniture and furnishings
- IX. Presentations and communications
  - A. Visual
  - B. Verbal
  - C. Digital

### **Course Requirements**

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

- a minimum of five in-class exercises
- a minimum of three presentations
- a minimum of three verbal critique sessions
- a minimum of three residential design projects

Students are required to use appropriate academic resources.

### **Other Course Information**

This course is a required course for the Interior Design degree and certificate.

May not be offered in all semesters; see registration schedule.

This course is taught in a studio environment. Class format includes: illustrated lectures, discussions, presentations, projects, critiques, and may include guest speakers and field trips.