Common Course Outline
INTD 240
Studio 1: Residential Design
3 Credits

The Community College of Baltimore County

Description

INTD 240 – Studio 1: Residential Design builds on drafting skills introduced in INTD 111 and further develops interior design skills through residential space planning, the design project process, and conceptual design to create construction documents. Residential typologies are explored along with their relationship to human behavior, ergonomics, and the psychological and physiological needs of the end-user. Aging-in-place, universal design, and sustainable practices are also addressed within the residential context. Projects include space planning for small-spaces, special population considerations, kitchen and bath, and whole house design.

3 Credits

Prerequisite: INTD 111 with a "B" or higher or consent of the program coordinator.
Corequisite: INTD 211

Overall Course Objectives

Upon completion of this course students will be able to:
1. interpret the role of an interior designer in a residential 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. Residential design considerations
II. Residential typologies
III. The role of the residential interior designer
IV. Sustainable design practices
V. The client in the interior design process
- A. Communication
- B. Programming
- C. Users
- D. Preferences
- E. Lifestyle
- F. 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. Universal design
   6. Aging-in-place
   7. Ergonomics

VII. Design Process
- A. Programming
- B. Design development
   1. Conceptual design
   2. Criteria matrix
   3. Prototypical plan sketches
      i. Relationship diagram
      ii. Bubble diagram
      iii. Block planning
- C. Construction documents and administration
- D. Execution and installation
- E. Completion

VIII. Residential space planning
- A. Residential codes
- B. Construction documents
   1. Drawings and plans
   2. Construction details
   3. Mechanical systems

          i.   Lighting
         ii.   Electrical
       iii.   Data
       iv.   Technology
        v.   Heating, ventilation, and air conditioning
       vi.   Plumbing
      vii.   Acoustics

C.   Specifications for residential applications
   1. Material schedules
   2. Furniture
   3. Furnishings

IX. Presentations and communications
   A.   Visual
   B.   Verbal

Course Requirements

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

- Five in-class exercises
- Three presentations
- Three verbal critique sessions
- 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 and critiques, and may include field trips.
INTD 240 should be taken concurrently with or after INTD 211- Rendering and Presentation Techniques for Interior Design.
A grade of a "C" or higher is needed in INTD 240 in order to take INTD 241: Studio II Commercial Design.

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