

COURSE OUTLINE

ARTT-108

Environmental Design: Introduction to the Built Environment

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

Students will be introduced to the conceptual, perceptual, behavioral, and technical aspects of environmental design including methods of analysis, problem solving, and project implementation. (4 hours weekly)

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Develop plans for a spatial design from two-dimensional and three-dimensional design information.
2. Integrate an understanding of theoretical issues in environmental settings into successful environmental or architectural designs.
3. Create freehand perspective, orthographic, and axonometric visualizations of architectural structures.
4. Select building approaches and materials appropriate to specific designs.
5. Demonstrate verbally and in writing a mastery of a basic vocabulary of concepts and tools specific to spatial design.
6. Demonstrate in plans and visualizations a comprehension of space and its delineators as environmental and design factors.
7. Use realistic problem solving techniques to analyze spatial planning problems and to formulate reasonable solutions.
8. Synthesize issues of human need, environmental setting, building technology, visual perception, and aesthetic theory into designs for buildings.
9. Present a portfolio of works demonstrating their mastery of course objectives.

Major Topics

- I. Principles and elements of two-dimensional and three-dimensional design
- II. Spatial perception and architectural visualization
- III. Architectural and environmental design concepts
- IV. Practical issues in spatial planning: form, function, and setting
- V. Conceptual issues in spatial planning: social/cultural factors

- VI. Building techniques and materials: an historical overview
- VII. Design problem solving: analyzing notable works of architecture
- VIII. Design problem solving: the right questions and appropriate decisions
- IX. Planning and visualizing a design project
- X. Practical design exercises

Course Requirements

Grading procedures will be determined by the individual faculty member but will include an exit portfolio review as a significant factor in the grading process.

Other Course Information

This course is a Fine Arts, Humanities, and Arts and Sciences Elective.