

# **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)

### **Statement on General Education and Liberal Learning**

A liberal education prepares students to lead ethical, productive, and creative lives and to understand how the pursuit of lifelong learning and critical thinking fosters good citizenship. General education courses form the core of a liberal education within the higher education curriculum and provide a coherent intellectual experience for all students by introducing the fundamental concepts and methods of inquiry in the areas of mathematics, the physical and natural sciences, the social sciences, the arts and the humanities, and composition. This course is part of the general education core experience at Howard Community College.

### **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.