

Spokane Community College

COURSE LEARNING OUTCOMES (CLO) AND OUTLINE

Course Title: Architectural Design 1

Prefix and Course Number: ARCHT 122

Version Date: 1/31/22

Course Learning Outcomes

By the end of this course, a student should be able to:

1. Describe and implement the design process for residential project or landscape architecture project
2. Produce a schematic design package for a residential project or landscape architecture project.
3. Demonstrate teamwork skills appropriate for professional environment
4. Demonstrate proficiency in presentation with graphic, written and verbal delivery
5. Demonstrate self-advocacy in career advancement strategies

Course Outline:

- I. Pre-Design
 - A. Programming
 1. Activities of the Building (or Site for Landscape Architecture Students)
 2. Functions of the Building (or Site for Landscape Architecture Students)
 - B. Site Analysis
 1. Topography and Geology
 2. Adjacent Properties/Context
 3. Plants and Ecosystem
 4. Climate and Microclimate
 5. Vehicular and Pedestrian Access
 6. Native and Indigenous People's Land Acknowledgment and Study
 7. Code and Zoning Review
- II. Schematic Design Process and Creation
 - A. Bubble Diagrams
 - B. Floor Plans (Planting Plans for Landscape Architecture Students)
 - C. Site Plan
 - D. Creation of 3D model
 - E. Generation of Elevations and Sections from 3D model
- III. Schematic Design Presentation
 - A. Development of 3D Scenes
 1. Perspective Views
 2. Parallel Projections (Isometric and Axonometric)
 3. Digital Software for Photorealism and Other Effects
 - B. Selection of Images
 - C. Multi-Media Manipulation of Images
 - D. Delivery of Schematic Design Package

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- IV. Human Relations
 - A. Teamwork in Professional Practice
 - B. Communication Styles
 - C. Self-Advocacy
 - D. Public Speaking
 - E. Proactive Advancement Strategies
- V. Application of Drafting Standards
 - A. Abbreviations
 - B. Typical Symbols
 - C. Material Indications
 - D. Choosing the Appropriate Scale
 - E. Dimensions