ARC1126C Architectural Drawing 1

ARC1126C  Architectural Drawing 1

**Course Description:** This course exercises the visualization and drafting of architectural objects and construction conditions. Students will learn to draw orthographic projections, isometric and sectional drawings as an expression of architectural communication. Topics include drawing of plans, elevations, details, schedules, and sections of wood frame and masonry structures. (2 hr. lecture 4 hr. lab)

<table>
<thead>
<tr>
<th><strong>Course Competency</strong></th>
<th><strong>Learning Outcomes</strong></th>
</tr>
</thead>
</table>
| **Competency 1:** The student will demonstrate an ability to communicate graphically by: | 1. Communication  
2. Numbers / Data  
4. Information Literacy  
9. Aesthetic / Creative Activities |
| 1. Distinguishing drawing and graphic tools. 2. Developing a consistent drawing process. 3. Maintaining a clean and presentable drawing ethic. |  |
| **Competency 2:** The student will demonstrate basic drafting skills by: | 1. Communication  
2. Numbers / Data  
4. Information Literacy  
9. Aesthetic / Creative Activities |
| 1. Developing and applying line quality conventions. 2. Understanding and applying principles of geometric construction and orthographic projections. 3. Creating axonometric and isometric drawings. 4. Composing plan and section drawings. |  |
| **Competency 3:** The student will demonstrate the ability to draw a basic set of working drawings by: | 1. Communication  
2. Numbers / Data  
4. Information Literacy  
9. Aesthetic / Creative Activities |
| 1. Understanding and incorporating architectural symbols, terms, abbreviations and methods of labeling and dimensioning. 2. Using the proper scale in relation to the purpose and size of the drawing. 3. Understanding the components and sequence of a set of working drawings. 4. Assembling a basic set of architectural drawings (plans, elevations, sections, details). 5. Applying technical information regarding construction materials and specifications. 6. Assembling and drawing door, window and finish schedules. |  |
| **Competency 4:** The student will demonstrate the ability to interpret site plans, mechanical, electrical and plumbing drawings by: | 1. Communication  
2. Numbers / Data  
4. Information Literacy  
9. Aesthetic / Creative Activities |
| 1. Identifying and outlining the legal description of a property. 2. Drawing a site plan and a location map. 3. Identifying a basic mechanical plan with symbols and components. 4. |  |
| 5. Identifying a basic electrical plan with symbols and components. | 5. Identifying a basic plumbing plan with symbols and components. |