

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: ARCH-250 ARBT-155 Department: General Studies ARBT
 Course Title: Architectural Design II : Design Process/3D Semester: Spring Year: 2012 2014

Course Objective	Competencies
<ol style="list-style-type: none"> 1. To provide the student with a greater awareness of three-dimensional design in the fields of architecture, product design, and interior design. 2. To develop the students creative skills to conceptualize works in three dimensions. 3. To develop construction skills necessary to build works in three dimensions. 4. To anticipate the experience of architectural/interior design projects through the use of 2D/3D architectural renderings and architectural scale models. 5. To provide the student with a studio experience where creativity is fostered as an individual and in a group/team environment. 	<ol style="list-style-type: none"> 1. To use the elements and principles of design as an expression of the creative process. 2. To develop design solutions given a limited budget and project scope. <ol style="list-style-type: none"> 1. Use free-hand drawing, technical drawing, and CAD to record three-dimensional forms. 2. Use the elements of design such as line, shape, color and space in 2D/3D renderings depicting 3D forms. 1. Learn how to safely cut mat-board and “foam-core” in the construction of models. 2. Use simple hand tools in the construction of larger scale project. <ol style="list-style-type: none"> 1. Record the effects of light and shadow on an architectural form to present a convincing 3D representation. 2. Employ the use of entourage such as people, trees, cars and other forms in presentation drawings to create a convincing sense of scale. 3. Build scale models of buildings using locally available materials. <ol style="list-style-type: none"> 1. Keep a notebook of design concepts and show the development of a project from concept through construction. 2. Work collaboratively with a small group to develop a presentation model.