

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: ARCH-450 ARBT-265 Department: General Studies ARBT
 Course Title: Architectural-Design IV: Semester: Spring Year: 2012-2014
 Portfolio/Capstone Project

Objectives/Competencies

Course Objective	Competencies
<ol style="list-style-type: none"> 1. To foster creativity and personal expression in a studio environment 2. To demonstrate competency in the use of the three fundamental graphic forms: free-hand drawing, technical drawing (drafting) and computer aided design (CAD). 3. To anticipate the experience of architectural projects through the use of 2D/3D renderings and architectural scale models. 	<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 architectural forms and details. 2. Use the elements of design such as line, shape, color and space in 2D/3D architectural renderings <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. 3. Learn how to "hang" architectural projects for display.

Course Objective	Competencies
<p>4. Assemble a portfolio of original design related projects from the students academic, artistic and personal exploration.</p> <p>5. Present the students projects in a high quality format that will be used as a basis for further academic study and professional placement.</p>	<ol style="list-style-type: none">1. Learn how to safely cut mat-board using appropriate tools.2. Learn which adhesives are best suited to various paper types.3. Develop a variety of display methods such as matting and dry-mounting to present architectural projects. <ol style="list-style-type: none">1. Develop "editing" skills to best determine which projects to include in a portfolio to best represent the students competencies.