



# VISUAL COMMUNICATION Course Outline

Computer Imaging



<b>TITLE:</b>	CIM30s								
<b>PREREQUISITES:</b>	Design 20s								
<b>DESCRIPTION:</b>	<p>This course explores concepts and methodologies for creating and exploring 3D graphics and animation. Essential concepts will be made concrete through a major term long team project in which student teams will develop and render their own 3D models that are then used in a short animation.</p> <p>This class will introduce fundamental 3D theories and principles of computer modeling and animation. Students will be given an overview of modeling techniques including (but not limited to) texturing, lighting, and rendering 3D models and scenes. Students will also understand both the computer and classical methods of animation, including the development of storyboards, animatics, essential principles, etc. Students will apply traditional concepts to one or more labs and their term project.</p>								
<b>DURATION:</b>	One semester								
<b>GENERAL OBJECTIVES:</b>	<p><b>OBJECTIVES:</b></p> <p>Use analytical vocabulary to discuss processes, formulate opinions, and describe the role of 3D graphics and animation.</p> <p>Acquire a fundamental understanding of modeling, texture mapping, and lighting from concept to final product</p> <p>Express personal ideas and feelings through the use of creative 3D graphics and models.</p> <p>Understand modeling techniques of 3D curves, patches, meshes, b-splines, and polygonal tools</p> <p>Incorporate principle elements of 3D art and design</p> <p>Learn to build 3D figures, scenes, etc and then animate the characters movement through a scene.</p>								
<b>CLASSROOM EXPECTATIONS:</b>	<ol style="list-style-type: none"><li>1. Attend school regularly</li><li>2. Always bring the required materials to class</li><li>3. Make a honest effort to learn and work every day</li></ol>								
<b>EVALUATION:</b>	<p>The following factors are taken into account in determining the overall rating:</p> <table><tr><td>Assignments</td><td>70</td></tr><tr><td>Final assignments</td><td>30</td></tr><tr><td>Completion of course (all assignments handed in)</td><td>100</td></tr><tr><td><b>OVERALL RATING</b></td><td><b>200</b></td></tr></table>	Assignments	70	Final assignments	30	Completion of course (all assignments handed in)	100	<b>OVERALL RATING</b>	<b>200</b>
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