

Program Name: IST Simulation and Digital Entertainment	Outcome #1	<input type="checkbox"/> Outcome #2	<input type="checkbox"/> Outcome #3	<input type="checkbox"/> Outcome #4	<input type="checkbox"/> Outcome #5	<input type="checkbox"/> Outcome #6	<input type="checkbox"/> Outcome #7
<b>Objectives</b>	Adeptly model and animate in 2 dimensions and 3 dimensions	Analyze, select and apply tools appropriate for a specific solution	Logically formulate scripts and/or programs to solve problems	Understand and articulate interactivity in the gaming industry, including the connectivity between computer art and programming	Apply programming and artistic theory in practical applications	Demonstrate problem solving skills through verbal and written media	Apply rudimentary physical principles to animations or simulations
<b>SDE 102 Multimedia Authoring</b>	<input type="checkbox"/> rough projects, the students will demonstrate their ability to model and animate in 2 dimensions	Use multiple software packages and understand their strengths			Construct involved projects from smaller individual art pieces and create a functioning executable	Write and present work clearly on projects assigned	
<b>SDE 130 Introduction to OOP</b>	Model, program and simulate homework and a project in 3D		Use a scripting/programming IDE to make lake language	Create functioning interactive media where an art object will be controlled by scripting created by the student	Construct involved projects from smaller individual pieces and create a functioning executable	Write and present work clearly on projects assigned	Demonstrate physics and trigonometric principles used in common programming
<b>SDE 201 Multimedia Algorithms</b>	<input type="checkbox"/> rough projects, the students will demonstrate their ability to model and animate in 2 dimensions	Use scripting in multiple languages to demonstrate their usefulness	Demonstrate knowledge of scripting through projects and examination	Create functioning interactive media where an art object will be controlled by scripting created by the student	Use scripting to create functional interactive pieces		
<b>SDE 207 Multimedia Project Development</b>	Design, create and implement animations to satisfy requirements of faculty.	Students must choose software and appropriate coding to satisfy their project requirements	Demonstrate understanding of coding by making a useable deliverable	Write a final report that will explain decisions and use tools successfully that incorporate art and coding	Use prespecified criteria to create useable executables, etc. for "clients"	Write and present work clearly on overall project assigned	
<b>GDT 112 Computer Graphics</b>		Compare, contrast and select appropriate technology to enhance personal and professional tasks			Evaluate and employ safe computing practices. Apply critical thinking skills using technology to solve visual problems.	Process and communicate information through technology resources	

<b>WEB 101 Web Designer I</b>		Compare, contrast and select appropriate technology to enhance personal and professional tasks	Utilize HTML and CSS to solve WEB issues		Evaluate and employ safe computing practices	Process and communicate information through technology resources	
<b>WEB 110 Web Developer I</b>		Students will be able to analyze and select tools appropriate for a specific solution	Students will demonstrate an understanding of HTML, CSS and Photoshop	Students will demonstrate an understanding of HTML, CSS and Photoshop	Students will be able to plan and implement accessibility and usability for a website		
<b>Web 215 Javascript and Multimedia</b>		Students will be able to analyze and select tools appropriate for a specific solution	Students will be able to write valid and accessible HTML. Students will be able to write valid client-side scripting with JavaScript.	Students will create images optimized for the web	Students will be able to plan in implement handicap accessibility and 501 compliance on websites		
<b>IST 102 Introduction to Information Technology</b>		Compare, contrast and select appropriate technology to enhance personal and professional tasks				Process and communicate information through technology resources	

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SDE 102 Multimedia Authoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SDE 130 Introduction to OOP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SDE 201 Multimedia Algorithms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SDE 207 Multimedia Project Development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GDT 112 Computer Graphics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WEB 101 Web Designer I	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WEB 110 Web Developer I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Web 215 Javascript and Multimedia	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IST 102 Introduction to Information Technology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>