

Course #:	INFO-I 310											
Course Title:	Multimedia Arts and Technology											
Course Type:	Upper level elective											
Prerequisites:	INFO I308											
Credits:	3											
Text Book:	T. Vaughan Multimedia: Making it Work, 7th edition, McGraw-Hill, 2006.											
References:	•											
Current Catalog Description:	The study of the evolution of media arts and underlying principles of communication. Application development paradigms in current practice.											
Course Goals	<p>The student who completes this course will develop an understanding of:</p> <ul style="list-style-type: none"> • the basic structure of multimedia arts and technology such as text, images, sound, video, and animation. • the underlying principles of communication. • the social and cultural influence of multimedia applications. • the use of computer software to create artistic artifacts. 											
Major Topics Covered in the Course	<ul style="list-style-type: none"> • Introduction, definition, history, discussion • Multimedia project: stages, software, hardware • Multimedia skills • Hypermedia and Hypertext • Image, sound • Animation, video • Multimedia and the Web 											
Laboratory projects (specify number of weeks on each)	<p>Image Processing:</p> <ul style="list-style-type: none"> • The Gimp • Adobe Photoshop • PovRay • Microsoft PowerPoint <p>Sound Processing:</p> <ul style="list-style-type: none"> • Audacity <p>Video Processing:</p> <ul style="list-style-type: none"> • Gimp Animation • Windows Movie Maker • Adobe Premiere <p>Web Design and Programming:</p> <ul style="list-style-type: none"> • Macromedia DreamWeaver • Microsoft FrontPage 											
Estimate Curriculum Category Content (Semester hours)	<table border="1"> <thead> <tr> <th>Area</th> <th>Core</th> <th>Advanced</th> </tr> </thead> <tbody> <tr> <td>Algorithms</td> <td>4</td> <td></td> </tr> <tr> <td>Software Design</td> <td>4</td> <td></td> </tr> </tbody> </table>			Area	Core	Advanced	Algorithms	4		Software Design	4	
Area	Core	Advanced										
Algorithms	4											
Software Design	4											

	Comp. Arch.		
	Data Structures		
	Prog. Languages	2	
Oral and Written Communications	Not a course objective		
Social and Ethical Issues	Social and cultural influence of multimedia applications are discussed.		
Theoretical Content	Not a course objective		
Problem Analysis			
Solution Design	Design of multimedia systems		
Prepared By	Vrajitoru		