CS 74.21A Course Outline as of Summer 2009

CATALOG INFORMATION

Dept and Nbr: CS 74.21A Title: DIGITAL VIDEO PROD 1
Full Title: Digital Video Production Techniques 1
Last Reviewed: 3/23/2015

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	2.00	8	Lecture Scheduled	16.00
Minimum	1.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	3.50		Contact DHR	28.00
		Contact Total	5.50		Contact Total	44.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 32.00 Total Student Learning Hours: 76.00

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CIS 75.11A

Catalog Description:
This introductory class will teach video fundamentals including camera techniques, audio and lighting, editing and compositing tools contained in video post-production software. Demonstration of the knowledge of these concepts will culminate in a short video that displays the application of these techniques.

Prerequisites/Corequisites:

Recommended Preparation:
Course Completion of CS 101A (or CIS 101A) OR Course Completion of CS 105A (or CIS 105A or CIS 81.5A or BDP 81.5A)

Limits on Enrollment:

Schedule of Classes Information:
Description: This introductory class will teach video fundamentals including camera techniques, audio and lighting, editing and compositing tools contained in video post-production software. Demonstration of the knowledge of these concepts will culminate in a short video that displays the application of these techniques. (Grade or P/NP)

Prerequisites/Corequisites:
Recommended: Course Completion of CS 101A (or CIS 101A) OR Course Completion of CS 105A (or CIS 105A or CIS 81.5A or BDP 81.5A)
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Fall 2001	Inactive:	Fall 2022
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon completion of this course students will be able to:
1. Identify, assess, and apply concepts and definitions in digital video
2. Demonstrate the user interface
3. Identify and analyze the basic effects and composition techniques
4. Prepare and import footage and files
5. Plan and construct film composites
6. Capture video to disk
7. Plan, design and create a short video clip using an array of compositional techniques and effects taught in this class

Topics and Scope:

1. Basic digital video concepts
   a. Basic camera techniques including audio and lighting
   b. Video terminology
   c. Analog vs. digital
   d. Non-linear editing definitions and techniques
   e. Video capture
   f. Frame rate
   g. Interlaced and non-interlaced
   h. Digitl video (DV) Technology
   i. Firewire
   j. Configuring your system
2. The user interface
   a. Identifying and organizing palettes and windows

b. Identifying, color coding, and sorting source material
c. Altering resolution, quality, and zoom settings
d. Working with the Composition and Time Layout windows
e. Navigating through time
f. Playing and previewing a composition
g. Introduction to copying and pasting key-frames

Assignment:

1. Students will demonstrate their skills and problem solving techniques by creating a short video clip with standardized video focusing on the following criteria:
   a. animating with motion paths for all transformation properties
   b. using key frames
   c. creating and working with masks and transparency
   d. using effects
   e. editing video and audio clips
   f. nesting compositions
   g. outputting final compositions
2. Read 30-50 pages per week
3. Two or three objective exams

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Project	Problem solving 20 - 40%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Project	Skill Demonstrations 20 - 40%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items	Exams 20 - 40%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:
Real World Digital Video, by Jones and Shaner, Peachpit Press, 2004 (or mo st current version)