

University of Arkansas – Fort Smith

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General Syllabus

CGT 2694 - Digital Layout Level II

Credit Hours: 4

Lecture Hours: 2

Lab Hours: 4

Prerequisite: CGT 2674 Digital Layout Level I

Effective Semester: Summer I 2013

I. Course Information:

A. Catalog Description

Combines design composition techniques acquired in Digital Layout Level I and applies them to create examples of real-world projects. Course focuses on post-production software used for composition and output of .avi, .mov, and other digital formats.

B. Additional Information

This course concentrates on the animation controllers, the Trackview/Videopost modules found in 3D Studio Max, and post-production techniques using varied composition software. Students will learn how to better control their animations by using some of the most powerful tools available to the animator.

II. Student Learning Outcomes

A. Subject Matter:

1. Edit Keys, Edit Time, Edit Ranges and Function Curve Modes
2. Parameter Curve Out of Range Types
3. Motion Capture Controller
4. Waveform Controller
5. Surface Controller
6. Attachment Controller
7. Link and Noise Controllers
8. Euler and List Controllers

B. University Learning Outcomes:

Communication Skills

Students will communicate effectively with a variety of audiences in any setting. Students will compose coherent documents appropriate to the intended audience. Students will effectively communicate orally in a public setting.

Technological Skills

Students will use computerized tools to efficiently access, communicate, analyze and evaluate electronic information. Students will use technology to access information. Students will use technology to effectively communicate. Students will use appropriate technology to analyze and evaluate data.

Analytical Skills

Students will use analytical/critical thinking skills to draw conclusions and/or solve problems. Students will access and evaluate appropriate information through written and electronic means. Students will think critically to reach viable solutions to a problem and to justify those solutions.

Ethics

Students will recognize and analyze ethical dilemmas. Students will understand the UA Fort Smith Standards of Conduct and Academic Honesty policies and apply these standards to particular fact situations. Students will apply ethical concepts and rules to determine viable alternatives in any given situation. Students will deal with copyright issues and commercial uses.

III. Major Course Topics:**A. Professional Knowledge**

1. Draw using the motion capture controller.
2. Develop working animations using the Euler and list controllers.
3. Demonstrate proper use of edit keys, ranges and time.

B. Visualization Skills

1. Participate in small group projects based on animation skill levels.
2. Describe various types of animations.
3. Generate rendered images for a variety of media formats.