

**University of Arkansas - Fort Smith**  
**5210 Grand Avenue**  
**P. O. Box 3649**  
**Fort Smith, AR 72913-3649**  
**479-788-7000**

## **General Syllabus**

### **BSAT 3023 Digital Production Techniques**

Credit Hours: 3

Lecture Hours: 2

Laboratory Hours: 2

Prerequisite: Junior standing or CGT 2684 Digital Design Level II or CGT 2834 Machine Drawing and Design or CGT 2654 Architectural CAD Applications

Effective Catalog: 2018-2019

#### **I. Course Information**

##### **A. Catalog Description**

Focuses on the use of digital technologies and strategies for composing video productions, simulations, and animations. Postproduction techniques, story boarding, and composition will be covered.

##### **B. Additional Information**

This course is a requirement for BSAT majors. It may also be taken by students in other majors as an elective credit.

#### **II. Student Learning Outcomes**

##### **A. Subject Matter**

Upon successful completion of this course, the student will be able to:

1. Define video time, speed, flow, direction and coherence.
2. Examine video composition including organization, emphasis in composition, depth of composition, and video dimensions.
3. Apply the concepts and elements of video production to a hands-on project.
4. Practice compositing digital video elements, correcting lighting or composition problems.
5. Examine the function and role of audio within animation productions and produce accompanying audio.
6. Examine the roles that various software programs play in postproduction.

##### **B. University Learning Outcomes**

This course enhances student abilities in the following areas:

**Analytical Skills**

**Quantitative Reasoning:** Students will apply math and science knowledge when reading and analyzing models. Applied animation projects will require quantitative reasoning.

**III. Major Course Topics**

- A. Post production
- B. Combining files from various software programs, including audio, photo, and video editing software to produce a complete video
- C. Clipping, combining and transitioning from one scene to another
- D. Creating cohesive story lines that are fully illustrated