

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

General Syllabus

BSAT 3893 Computer Color Applications

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

Knowledge and understanding of the systems of computer color application as it applies to digital drawings and renderings.

B. Additional Information

Students will use photo editing software package to work through both classic color problems and those specifically associated with computer color use.

II. Student Learning Outcomes

A. Subject Matter

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

1. Compare and contrast the historical and modern methodologies of color theory.
2. Evaluate additive and subtractive color, optical mixing, color boundaries, Bezold Effect, intersecting colors and color juxtaposition.
3. Evaluate the use of color methodologies in works of master artists.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Communication Skills (written and oral)

Students will research current topics in color theory and present their findings through oral presentations and visual documentation.

III. Major Course Topics

- A. Methodology of color theory
- B. Additive and subtractive color
- C. Optical mixing
- D. Color boundaries
- E. Bezold Effect
- F. Intersection colors
- G. Color juxtaposition