

University of Arkansas - Fort Smith
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General Syllabus

BSAT 3053 Recording Methods for Historic Structures

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

Instruction in methods and techniques of architectural, engineering and industrial documentation, including the preparation of drawings and photographs to general requirements of documenting historical structures.

B. Additional Information

Students will use CAD for drawing production and digital cameras for architectural photography.

II. Student Learning Outcomes

A. Subject Matter

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

1. Explain the history of the methodology for documenting structures.
2. Demonstrate understanding of architectural styles in North America.
3. Use photographic equipment to create industry standard architectural photographs.
4. Create CAD drawings of historic structures.
5. Measure an existing building to synthesize information gathered to create standard documentation.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will determine what measurements are required in order to complete a drawing of the structure, including areas that cannot be directly measured, and isolate component parts of a structure to determine how those parts operate independently or in conjunction with other elements of the structure. Students will organize all documentation material concerning a historic structure, determine general style based on certain criteria and evaluate whether or not the criteria used for the methods of documentation have been properly researched and recorded

Communication Skills (written and oral)

Students will create and compile a written and visual record that completely communicates the structure, style, construction method and materials used in an historic structure. Their ability to communicate in written, graphic and visual form is the primary criteria for the successful completion of the course.

Ethical Decision Making

Students will apply ethical practices in recording historical structures. Students will apply ethical frameworks to resolve a variety of ethical dilemmas.

Global and Cultural Perspectives-

Students will evaluate the different social, personal and spatial concerns of historic populations based on their use of spaces in architecture. Realizing that earlier populations had differing requirements for private space and analysis of square footage usage will help lead the student to being more tolerant of other worldviews.

III. Major Course Topics

- A. Building Styles
- B. Historic Research and Descriptions
- C. Architectural Photography
- D. Building Project
- E. Recording