

University of Arkansas – Fort Smith
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General Syllabus

STAT 4954V Internship in Statistics

Credit Hours: 1-3 Variable Internship 1-3 Variable Prerequisite:

consent of department head

Effective Catalog: 2018~2019

I. Course Information

A. Catalog Description

Students obtain practical experience by applying their knowledge of statistics and statistical skills in a professional setting. Student is supervised by a mathematics/statistics faculty member and a liaison from the professional site. This course may be repeated for a total of six hours.

B. Additional Information - None

II. Student Learning Outcomes

A. Subject Matter

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

1. Describe actual workplace experiences and illustrate the application of knowledge from the classroom.
2. Apply knowledge gained in the classroom to real-world situations.
3. Interact with internship colleagues in a professional manner.
4. Articulate the relationship between what is taught in the classroom and what was learned during the experience.
5. Discuss ethical and professional responsibilities relevant in the field of study as observed in the internship.
6. Discuss values and attitudes that reflect professional standards of behavior as observed in the internship.
7. Clarify educational and occupational goals by gathering information through interviews, observations, readings, and job-shadowing.
8. Be able to communicate clearly, both orally and in writing, as demonstrated by a field experience journal and a written reflection paper.

9. Demonstrate the ability to learn in a self-directed manner.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Global and Cultural Perspectives

Students will demonstrate understanding and application of statistics in a global environment. Students will demonstrate how statistics impacts those of different cultures.

Communication Skills (written and oral)

Students will communicate statistics effectively with a variety of audiences in any setting. Students will compose professional statistical documents appropriate for the intended audience. Students will effectively communicate statistical topics orally in a public setting.

Analytical Skills

Critical Thinking Skills: Students will draw conclusions and/or solve statistics problems. Students will access and evaluate appropriate information through written and electronic means. Students will reach viable solutions to a problem and justify those solutions.

Ethical Decision Making

Students will recognize and analyze ethical dilemmas as they relate to statistics. Students will apply ethical concepts and rules to determine viable alternatives in any given situation.

III Major Course Topics

Varies with type of employment.