

University of Arkansas - Fort Smith
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General Syllabus

ISL 4513 Applied Research

Credit Hours: 3 Lecture Hours: 0 Independent Study Hours: 3

Prerequisite: HLTH 4103 Research in the Health Sciences

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

This capstone course requires the application of research concepts for the purpose of conducting intense research culminating in a substantive paper. Research topics should be selected according to the interest of the student with instructor approval.

B. Additional Information

This course concludes work begun in HLTH 4103 Research in the Health Sciences and ISL 4403 Independent Study. ISL 4513 Applied Research requires implementation of the student's proposed change, improvement, or intervention of some aspect of medical imaging.

II. Student Learning Outcomes

A. Subject Matter

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

1. Apply appropriate research methods.
2. Analyze data.
3. Report and discuss results in an appropriate format.
4. Compose a substantive paper to include the key elements in a research paper.

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will complete original research to a problem identified in their field. Students will complete a capstone project presenting their researcher proposal, original research, and written report.

Communication Skills (written and oral)

Students will complete a written report using APA guidelines to communicate research findings.

III. Major Course Topics

Student's choice of topic to be investigated within the confines of Medical Imaging – requires faculty approval.