Course Description:
This course provides undergraduate students in the health professions and related disciplines experience with research in the health professions. Students will assist in the development and execution of research projects under the supervision of an SHP faculty member.

Prerequisite: Instructor’s consent.

Required Texts: None

Credit Hours: This course can be taken for 1-3 credits per semester and may be repeated for a maximum of 6 credits total. Students should discuss course credit with their faculty research supervisor each semester to determine the number of credits appropriate given a student’s anticipated involvement in lab activities. In general, during Fall and Spring semesters, each credit hour corresponds to 3 hours per week of lab-related activities. In the 8-week Summer semester, each credit hour corresponds to 6 hours per week.

Example: A student could enroll in 2 credits in Summer, 2 credits in Fall, and 2 credits in Spring.

Student Learning Outcomes:
Because of the individualized nature of the research experience, outcomes will vary. Below are possible learning outcomes. Individual students will achieve a subset of these outcomes that contribute to growth in their research knowledge and skills. The experience may include but should not be limited to technical skills such as data entry.

Students will be able to:
- read and critically evaluate the literature that underlies the research program in which the student is involved.
- demonstrate understanding of and compliance with Institutional Review Board (IRB) regulations for the protection of human subjects or animal care and welfare regulations.
- assist in collecting data for the research project.
- assist with data coding and analysis.
- participate in the dissemination of research findings, including poster/technical research presentations and assisting with manuscript preparation, if appropriate.

Expectations and Grading Procedures
Specific research expectations and responsibilities will be communicated by the faculty research supervisor. The following are general expectations of students enrolled in this course:

- Student will complete the research compliance training – IRB training or animal care quality assurance training – appropriate for the research project, prior to engaging in any research activities (other than background reading).
- Student will attend weekly meetings with the faculty research supervisor to discuss the student’s progress on the research project.
• Student will participate in the faculty research supervisor’s lab group meetings.
• Student will attend the SHP Student Research Seminar Series. Approximately 3-4 seminars will be conducted per semester.
• Student will submit a product representative of the research experience. The type of product will vary depending on the nature of the research experience. Faculty research supervisors will convey expectations for this product to the student at the beginning of the semester.

*Examples of Possible Research Products:*
  - A student poster presentation at the Undergraduate Research and Creative Achievements Forum, Research Day at the Capitol, or Health Sciences Research Day
  - A professional poster presentation or technical research presentation at a local or national conference
  - A portion of a manuscript for publication
  - An “undergraduate thesis” or another type of research report

Over the course of the semester, faculty research supervisors will discuss with students their progress in the lab relative to the expectations of the supervisor. Final grades will be assigned by the research supervisor and will be based on the student’s overall performance on the research project and the student’s learning and growth over the semester.

*Course Policies*
1. Academic honesty is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person’s work has been responsibly and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards academic dishonesty as an extremely serious matter, with serious consequences that range from probation to expulsion. When in doubt about plagiarism, paraphrasing, quoting, or collaboration, consult the faculty research supervisor.

2. Students with Disabilities: If you anticipate barriers related to the format or requirements of this research experience, if you have emergency medical information to share, or if you need to make arrangements in case the building must be evacuated, please let your faculty research supervisor know as soon as possible.

If disability related accommodations are necessary, please register with the Office of Disability Services (http://disabilityservices.missouri.edu), S5 Memorial Union, 882-4696, and then notify the faculty research supervisor of your eligibility for reasonable accommodations. For other MU resources for students with disabilities, click on "Disability Resources" on the MU homepage.