

COURSE DESCRIPTION

HHP 4700 – Research Applications in Exercise Science (3 cr.) *Prerequisite:* MATH 1530 – The focus of this course will be to introduce the research process in the various areas of exercise science. Research design, literature, and the development of research questions along with methodology will be covered. A review of basic statistical applications and their use in conducting research in various areas of exercise science and data collection methods and selection of appropriate statistical tools will be covered.

SCENARIO

The final project is a written research proposal which students also present in class. The project is designed to help students begin to develop an understanding of how to design a research study and the class presentation serves as practice for a future thesis or dissertation defense. The project is graded using a rubric which includes evidence of identified research studies and use of APA style. The librarian is to assist students in becoming aware of the databases available and how to conduct a database search. Students will be shown how to find high-quality academic sources and use library research tools found via the APSU Library's website. The ***Health & Human Performances Research Guide*** at http://libguides.apsu.edu/hhp_resources will be used as a starting point. The librarian will demonstrate a health database as the students search the database on their computers. Students are provided a library research information sheet covering key points.

STUDENT LEARNING OUTCOMES [a=audience, b=behavior, c=condition, d=degree of accomplishment]

1. Following participation in the research session facilitated by a librarian (c), students (a) will demonstrate they learned how to use health databases available through the Health and Human Performance Library Research Guide (b) by citing high-quality academic sources they found in a health database within their written research proposals (d).
2. Following participation in the research session facilitated by a librarian (c), students (a) will demonstrate they understand how to use APA style (b) by citing their research proposal references in correct APA style (d).
3. Following participation in the research session facilitated by a librarian (c), students (a) will express their understanding of the value of using the RefWorks citation management tool, through responding to questions (d).

POSSIBLE ASSESSMENT

Direct measure: Evaluate the references produced by the students in their written research proposals according to a scoring rubric based on the student learning outcomes to determine if students identified and correctly cited appropriate high-quality sources (Outcomes 1 and 2).
Indirect measure: Student responses to questions posed by the librarian in class (Outcome 3).