

STUDENT LEARNING OUTCOMES

COURSE DESCRIPTION

CSCI 4800 - Senior Seminar - Review techniques in all areas of the Computer Science and Information Systems curriculum. Research on an assigned topic culminating in a written paper and oral presentation.

SCENARIO

During an hour session, a librarian will review the **Computer Science Research Guide** (<http://libguides.apsu.edu/computerscience>) which is a gateway to a wide range of electronic resources and article databases accessible to APSU students, faculty, and staff. The librarian will demonstrate how to use different search strategies, techniques, and research finding tools such as article databases, “Find Periodicals”, catalogs, e-books, etc. to locate and use sources most appropriate to research topics related to computer science. The librarian will also demonstrate to students how to search **ACM Digital Library, Computers & Applied Sciences Complete** and other computer science specific article databases. During the session, students will search the article databases for high-quality peer-reviewed sources and use RefWorks to export citations from article databases to RefWorks, organize them and create a Works Cited page for sources they have found. Students are given an exercise worksheet to complete at the end of the session.

Learning Outcomes [a=audience, b=behavior, c=condition, d=degree of accomplishment]

Following participation in a library research instruction session (c), CSCI 4800 students (a)

1. Will demonstrate that they have learned to conduct an effective search strategy using *ACM Digital Library* and/or *Computers & Applied Sciences Complete* article databases to find peer-reviewed journal articles on a chosen research topic (b), by successfully retrieving at least TWO relevant full-text peer-reviewed journal articles (d).
2. Will demonstrate that they have learned to use Reworks (b), by exporting citations from article databases and/or Austin catalogs to RefWorks in order to create and turn in a Works Cited page containing at least THREE sources correctly formatted in MLA style, with no more than ONE error (d).
3. Will demonstrate the ability to retrieve full-text articles from article databases using the “Find Periodicals” search tool (b), by successfully retrieving at least TWO full-text articles out of any given number of citations (d).
4. Will determine availability of specific books/e-books in Austin catalog (b), by successfully retrieving at least TWO catalog records out of any given number of bibliographic records (d).

POSSIBLE ASSESSMENTS

- Bibliography as evaluated by course instructor
- Retrieved full-text journal articles
- MLA Works Cited page created using RefWorks
- Retrieved catalog records of books/e-books
- Completed practice worksheet