

CMPS 574 Research Techniques

Credit: 3 hours

Instructor: Dr. M. A. Salam, Computer Science Department, T.T. Allain Hall, Room 145, Phone: (225) 771- 4383, and Email: professor.salam@gmail.com.

Classroom: Henry Thurman Hall, Room 206.

Meeting time: Tuesday and Thursday: 9:30 am to 10:50 am.

Catalog Description: Students will learn how to conduct literature reviews of articles, journals, white papers using Internet, computerized databases and library resources. Students will learn to develop research questions, hypotheses, research topics, research designs and write research papers in standard format.

Topic Covered:

- Research topics
- Literature reviews and bibliographical control
- Searches on computerized databases
- Research questions and hypotheses
- Research design and methodology
- Experimental techniques
- Scientific writing
- Presentation techniques

Learning Outcomes:

Students will learn to write and present research paper in standard format. Students will also learn the thesis guidelines developed by graduate school and project guidelines for the Master program in the Department of Computer Science.

References:

1. Kate L. Turabian: "A Manual for Writers of Term Papers, Theses, and Dissertations," 8th Edition, March 2013, ISBN: 9780226816388.
2. Bruce Ballenger, "The Curious Researcher: A Guide to Writing Research Papers", 8th Edition, July 2014, ISBN-13: 978-0321992963.
3. Thesis Guidelines Issued by The Office of Graduate Studies, Southern University and A&M College, Baton Rouge, Louisiana.
4. ACM Digital Library, <http://dl.acm.org/>
5. IEEE Explore, <http://ieeexplore.ieee.org/Xplore/home.jsp>

Grading:

- 1) Writing Assignments 45%
- 2) Presentations 40%
- 3) Class Performance 10%
- 4) Class Attendance 5%

90 -100	A
80-89	B
70-79	C
60-69	D
0-59	F

Plagiarism:

Plagiarism in any course work (home works, quizzes, projects, exam, etc.) will not be tolerated. A course grade of "F" will automatically be assigned to anyone who cheats on assignments or examinations.

Cellular Phones and Portable Electronic Devices:

Please use common courtesy when bringing cellular phones and other portable electronic devices into class. They should be set to a non-audible signaling mode. If it is absolutely necessary to answer a cellular phone or beeper call, please discretely exit the classroom and do so. Please use common sense as to what constitutes an absolute necessity. No electronic devices such as cellular phones, laptop computers are allowed without the permission of the instructor during test.

Changes in Course Requirements:

Since all classes do not progress at the same rate, the instructor may wish to modify the above-mentioned requirements or their timing as circumstances dictate. For example, the instructor may wish to change the number and frequency of examinations, or the number and sequence of assignments. If such modification is needed, the student will be given adequate notification. Moreover, there may be non-typical classes for which these requirements are not strictly applicable in each instance and may need modification. If such modification is needed, it will be in writing and conform to the spirit of this policy statement.

Disability Statements:

Students with documented disabilities who believe that they may need accommodations in this class are encouraged to contact the Disability Services Coordinator in the Office of Disability Services, 246 A.C. Blanks Hall, 225-771-3546 (Voice), 225-771-3949 (Fax), as soon as possible to ensure that such accommodations are implemented in a timely fashion. Students who need

accommodations must be registered with the Office of Disability Services. Students are responsible for informing the instructor of any instructional accommodations and/or special learning needs at the beginning of the semester. All discussions will remain confidential.