



Course Syllabus

Course Title: Introduction to Research

Course #: CSCI 6900, Fall 2022

Date/Time: Mon/Wed 4-5:15pm

Location: GCC 2301

Course Director: Dariusz Kowalski

Course Director Office Hours: PERS-101 (SCCS Annex, Summerville campus),

MW 12-1pm or on appointment

Course Director Contact Information: dkowalski@augusta.edu

Credit hours: 3

Pre-requisite(s): None

Course Delivery: Face to face

Course Description (and/or catalog description):

In this course, students will be introduced to methods for conducting scientific research within computer science. Emphasis will be placed on research question formation, literature review, theory, data acquisition, and research methodology. Students will also be introduced to current streams of research in computer science.

Faculty: Dariusz Kowalski

Student Learning Outcomes:

Students are expected to be able to:

Formulate a proper research question appropriate for the topic to be investigated.

Perform a proper literature review for the topic to be investigated.

Discuss the theoretical foundation of the chosen research methodology.

Choose the proper research methodology appropriate for the topic to be investigated.

Select the proper data acquisition appropriate for the topic to be investigated.

Required Course Materials

Web resources provided by the instructor

Additional course or instructional requirements IF/AS APPROPRIATE for your course

COURSE EVALUATION:

Course Evaluation and Assessment Methods (papers, exams, projects, quizzes):

Research presentation	20%
Research paper review	20%
Research paper	40%
Final exam	20%

Grading Scale:

90 – 100	A
80 < 90	B
70 < 80	C
60 < 70	D
< 60	F

COURSE SCHEDULE/OUTLINE (tentative):

Week	Topic
1	Introduction to research
2	Ethical aspects of research
3 + 4	How research in CS is organized and choosing own research area (incl. sample papers)
5	Research presentation, including own area and research paper
6 + 7	Literature review, methodology, and how to pursue research in CS
8	Mid-review of paper draft
9	How to review research papers
10	Presentation and discussions of review report
11	Types of research in CS
12	Research paper vs research agenda (incl. grant proposal)
13	Attending and discussing research presentation (distinguished or invited lecture)
14	Manuscript formatting (Latex or MS Word)
15	Final Exam and paper submission

UNIVERSITY LEVEL POLICIES

Official Email:

An official Augusta University e-mail (augusta.edu) has been established for each student. All university communications sent via e-mail will be sent to your AU e-mail address. Students are responsible for checking their augusta.edu email account on a regular basis and promptly respond to emails accordingly.

Disability Statement:

“Augusta University believes academically qualified individuals with disabilities should have equal opportunity and access to a quality education. We are actively involved in fostering an environment that encourages full participation by students with disabilities in every segment of the University.

The Office of Disability Services was established to help ensure an accessible and positive college experience for students with disabilities. Our Office provides a variety of services and accommodations to meet the needs of disability related concerns in accordance with the Rehabilitation Act of 1973 as amended, the Americans with Disabilities Act of 1990, and Board of Regents' policies. Accommodations for students with disabilities are made on an Individual basis.” – *excerpt from* <https://www.augusta.edu/tds/mission.php>

Accommodations for students with disabilities are made on an Individual basis. Students must register and request services from the Director of Testing and Disability Services. In order to receive services, students must provide current documentation of their disability from a qualified health professional.

Appointments can be made by calling The Office of Testing and Disability Services at (706) 737-1469 or by visiting their office located on the first floor of Galloway Hall.

It is the student’s responsibility for initiating an appointment and following Augusta University’s Accommodation Procedures found at: <https://www.augusta.edu/tds/accommodation.php>

If the student does not obtain academic accommodations through The Office of Testing and Disability Services, it is assumed no special accommodations or modifications will be necessary to meet the requirements of this course.

For additional information, please visit The Office of Testing and Disability Services Website at <https://www.augusta.edu/tds/index.php>

Academic Honesty :

The University's Student Code of Conduct (<https://www.augusta.edu/student-life/conduct/index.php>), the student's manual (<https://www.augusta.edu/student-life/documents/2018studentmanualnew.pdf>), as well as the academic regulations (<http://catalog.augusta.edu/content.php?catoid=25&navoid=3206>) and all applicable policies (<https://www.augusta.edu/its/policies/>) are supposed to be known by the students and will be enforced.