

Basic Course Information: CS 664

I. Catalog Description

Topics chosen according to the interests and needs of the students.

II. Required Coursework and Background

Pre-requisite(s): Unconditional standing required.

III. Expected Outcomes

On successful completion of this course, students will be able to:

- Perform independent, in-depth research of a specific topic in Computer Science.
- Develop oral and written skills.
- Gain experience in reading and understanding technical articles.

Outcomes of this course will build student capacity in each of the following areas as defined by programmatic objectives for the computer science major.

P-SLO 5. An ability of reasoning and problem solving to conduct independent research in the area of specialization.

P-SLO 6. An ability to communicate effectively and defend results of research to peers and broader audiences, both in written and verbal formats

IV. Instructional Materials

Reference:

Selected advanced technical papers in recent computer science publications.

V. Minimum Student Material

Selected technical papers (library) and student evaluation forms (handout).

VI. Minimum College Facilities

A classroom with a projection system and whiteboard.

VII. Course Outline

- Introduction to technical presentation
- Individual student presentation (throughout the term)

VIII. Instructional Methods

Lecture

In-class presentation

Discussion

Evaluation

IX. Evaluation of Outcomes

A. Student Assessment

1. Topic proposal
2. Presentation
3. Participation in discussion
4. Written comments on evaluation form
5. Term paper
6. Attendance

B. Meaningful Writing Assignment

The term paper will provide experience in meaningful writing assignment in scientific communication.

C. A Matrix of Course Student Learning Outcomes vs Methods of Assessment

If the course is being evaluated for accreditation purposes, approved department accreditation assessment tools will additionally be utilized.

Course Learning Outcomes	Methods of Assessment					
	Topic Proposal	Presentation	Participation In Discussion	Evaluation Comments	Term Paper	Attendance
Perform in-depth research of a specific topic in computer science	x	x	x		x	x
Develop oral and written skills.	x	x	x	x	x	x
Gain experience in reading and understanding technical articles.	x	x	x	x	x	x