

# CPIT-499 Syllabus

## Catalog Description

**CPIT-499** Senior Project (II)

**Credit:** 3 ( Theory: 3, Lab: 0, Practical: 2)

**Prerequisite:** CPIT-498

**Classification:** Department Required

This course is the second part of a sequence of two courses that constitute the graduation capstone project. This course aims to execute what was presented in CPIT-498 – the student's present two reports and two presentations of graduation project. The courses topics cover detail design, coding, testing, and implementation of the project.

### Class Schedule

Meet 50 minutes 3 times/week or 80 minutes 2 times/week

## Grade Distribution

Week	Assessment	Grade %
7	Group Project 1	10
8	Group Project 2	10
9	Formal Presentation 1	10
14	Group Project 3	15
14	Lab Exam	10
15	Formal Presentation 2	30
15	Group Project 4	15

## Topics Coverage Durations

Topics	Weeks
Introduction	1
Software Version Management	1
Rubric Explanation	2
Software Testing	1
Technical Coverage	2

## Last Articulated

March 1, 2017

## Relationship to Student Outcomes

a	b	c	d	e	f	g	h	i	j	k	l	m	n
x	x	x	x	x	x	x	x	x	x	x	x	x	x

## Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. Apply mathematical and scientific knowledge and skills
2. Produce a complete and final design of the system based on software engineering and implementation aspects
3. Implement the design and produce a working system
4. **Use various software engineering and appropriate development tools**
5. Learn new knowledge and skills required to realize the project in an independent way through the guidance of the supervisor
6. **Apply core knowledge areas of Information Technology such as programming, database, Human Computer Interaction, Networking and Security etc**
7. Apply testing concepts and techniques to the system
8. **Critically evaluate and troubleshoot the implementation of the project**
9. **Capable to deliver his project work through presentations and code demonstrations**
10. Present a suitable documentation of the project work
11. Work independently and in a team
12. Observe ethical behavior throughout of project work
13. **Demonstrate a level of effectiveness expected by employers when he produces written documents, delivers oral presentations, and develops, prepares and interprets visual information.**

## Coordinator(s)

Dr. Mohamed Buhari, Associate Professor