

# CPIT-485 Syllabus

## Catalog Description

**CPIT-485** User-Centered System Design  
**Credit:** 3 ( Theory: 3, Lab: 0, Practical: 1)  
**Prerequisite:** CPIT-280  
**Classification:** Elective

The objective of this course is to explore the concepts of instruction between humans and computers and how to apply the rules of design and quality assurance in interactive systems.

### Class Schedule

Meet 50 minutes 3 times/week or 80 minutes 2 times/week  
 Lab/Tutorial 90 minutes 1 times/week

## Textbook

Jenny Preece, Yvonne Rogers, Helen Sharp, , "Interaction Design", John Wiley & Sons;(2015-05-26)  
**ISBN-13** 9781119020752 **ISBN-10** 1119020751

## Grade Distribution

Week	Assessment	Grade %
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## Topics Coverage Durations

Topics	Weeks
System Life-Cycle based on the user(Iterative design-requirement analysis-methods of evaluation and quality assurance) .	0
Design methods and techniques based on the user(requirement analysis techniques – user representation and analysis functions – evaluating methods for effective use).	0
Design components based on the user(The user interface-the design steps-determining the dialogue – the design and the use of multimedia – social factors influencing the design – documenting the design)	0

## Last Articulated

## Relationship to Student Outcomes

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

## Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. Understand the design techniques and methods centered on the user. ()
2. Evaluate effectiveness of the user interface and alternative designs. ()
3. Use appropriate technologies to authenticate users, their needs and translate these requirements into the design specifications. ()

## Coordinator(s)