CPCS-482 Syllabus

Catalog Description

CPCS-482 Multimedia and User Interface Design
Credit: 3 (Theory: 3, Lab: 0, Practical: 0)
Prerequisite: CPCS-381
Classification: Elective

The objective of this course is to explore the fundamentals of multimedia and the use of multimedia in user interface design. The course is intended to give students both a theoretical understanding of, and practical experience with, designing multimedia products and the user interface design.

Class Schedule

Lab/Tutorial 90 minutes 1 times/week

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

Textbook

Bhatnagar, Gaurav, Mehta, Shikha, Mitra, Sugata, , "Introduction to multimedia systems", Academic; 1 edition (2002)

ISBN-13 9780125004527   **ISBN-10** 0125004524

Grade Distribution

Week	Assessment	Grade %

Topics Coverage Durations

Topics	Weeks
Multimedia and their use in the user interface design	3
Digital Processing	3
Digital Compression Methods	3
Multimedia Integration and multimedia design using traditional methods	3
Internet Services and their various multimedia contents	2

Last Articulated

Relationship to Student Outcomes

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

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. Describe general human-computer interaction design issues ()
2. Define basic principles for designing the user interface in information systems, with special reference to computerized systems ()
3. Describe basic hardware and software for multimedia product presentation ()
4. Define popular usability evaluation methods: usability inspection methods, analytic techniques and experimental techniques ()
5. Describe and practice the design and production of multimedia resources for libraries Identify and evaluate new multimedia ()
6. Identify and evaluate new multimedia ()
7. Deliver and apply interactive systems ()
8. Assess and evaluate interactive systems ()
9. Explore implementation issues of multimedia projects ()

Coordinator(s)