CPIS-465 Syllabus

Catalog Description

CPIS-465   Geographical Information Systems
Credit: 3 (Theory: 3, Lab: 0, Practical: 1)
Prerequisite: CPIS-220 , CPIS-250
Classification: Elective

The objective of this course is to explore the concepts and principles of Geographic Information Systems (GIS). Topics include identifying and evaluating the Geographic Information Systems, the distinction between the geographic and non-geographic environments, and a survey of the GIS programming tools and devices.

Class Schedule

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

Lab/Tutorial 90 minutes 1 times/week

Textbook

"Concepts And Techniques Of Geographic Information Systems"(2002)

ISBN-13 9788120322301   **ISBN-10** 8120322304

Grade Distribution

Week	Assessment	Grade %

Topics Coverage Durations

Topics	Weeks
Identification of the concept and principles of Geographic Information systems (GIS).	2
GIS Evaluation.	2
Identification of the Geographic Data Representation Methods.	3
The difference between geographic and non-geographic environments.	2
The programming components and devices of Geographic Information systems (GIS).	3
Developing and implementing Geographic Information systems (GIS).	2

Last Articulated

Relationship to Student Outcomes

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

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. To understand thoroughly the principles and techniques required to design Geographic Information systems. ()
2. To be familiar with the GIS Applications in various fields. ()
3. To be able to represent, design and develop Geographic Information systems to solve different problems. ()
4. To be able to make use of the Geographic Information systems in real-life situations. ()

Coordinator(s)