

Ninth Satellite Based Distance Learning Program Schedule



Basic course on

"Remote Sensing, Geographical Information System and Global Positioning System"

Time Schedule

Module	Name of the Module	Duration	
		From	To
1	Remote Sensing and Digital Image Analysis	06-08-12	27-08-12
2	Global Positioning System	28-08-12	04-09-12
3	Geographical Information System	05-09-12	01-10-12
4	RS & GIS Applications	03-10-12	22-10-12

Conducted by

Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Government of India
4-Kalidas Road, Dehradun, India

In collaboration with

Consortium for Educational Communication, UGC
Development and Educational Communication Unit (DECU)
Space Application Centre, Ahmedabad
Amrita E Learning Research Lab

Under the aegis of

National Natural Resources Management System

June 2012

MODULE 3: GEOGRAPHICAL INFORMATION SYSTEM
MODULE COORDINATOR: Shri P.L.N. Raju (raju@iirs.gov.in)
Date: 05 Sept – 01 Oct, 2012

Date	Day	Time	Topic	Speaker
05 Sep 12	Wednesday	1600-1700 hrs	Introduction to GIS	P L N Raju
		1700-1730 hrs	Interactive Session (Query)	
06 Sept 12	Thursday	1600-1700 hrs	Geographic Phenomena, Concepts and examples	P L N Raju
		1700-1730 hrs	Interactive Session (Query)	
07 Sept 12	Friday	Exam – Module 1 (1500-1730 hrs)		
08 Sept 12	Saturday			
09 Sept 12	Sunday			
10 Sept 12	Monday	1600-1700 hrs	Map Projection Concepts & Use in RS & GS	P L N Raju
		1700-1730 hrs	Interactive Session (Query)	
11 Sept 12	Tuesday	1600-1700 hrs	Non-Spatial Data Models	Dr. Harish Karnatak
		1700-1730 hrs	Interactive Session (Query)	
12 Sept 12	Wednesday	1600-1700 hrs	Database concepts and Spatial Data Models Data formats and structures	Dr. Sameer Saran
		1700-1730 hrs	Interactive Session (Query)	
13 Sept 12	Thursday	1600-1700 hrs	Demo of GIS S/W 1: <ul style="list-style-type: none"> • Introduction of Open source GIS s/w • Opening Vector and Raster Data • Attribute table • Symbology • Map Layout 	Kapil Oberai
		1700-1730 hrs	Interactive Session (Query)	
14 Sept 12	Friday	1600-1700 hrs	Demo of GIS S/W 2: <ul style="list-style-type: none"> • Digitization • Setting digitizing environment • Adding attributes to layer • Editing digitized layer 	Kapil Oberai
		1700-1730 hrs	Interactive Session (Query)	
15 Sept 12	Saturday			
16 Sept 12	Sunday			
17 Sept 12	Monday	Exam – Module 2 (1500-1730 hrs)		
18 Sept 12	Tuesday	1600-1700 hrs	Demo of GIS S/W 3: Warping and Geo-referencing (ILWIS)	P K Gupta
		1700-1730 hrs	Interactive Session (Query)	
19 Sept 12	Wednesday	1600-1700 hrs	Spatial Analysis- Introductory Concepts and Overview	Vandita Srivastava
		1700-1730 hrs	Interactive Session (Query)	
20 Sept 12	Thursday	1600-1700 hrs	Spatial Analysis- Functionality and Tools	Vandita Srivastava
		1700-1730 hrs	Interactive Session (Query)	
21 Sept 12	Friday	1600-1700 hrs	Demo of GIS S/W 4: Querying and Spatial Analysis	P K Gupta
		1700-1730 hrs	Interactive Session (Query)	
22 Sept 12	Saturday			
23 Sept 12	Sunday			
24 Sept 12	Monday	1600-1700 hrs	PostGRE/ PostGIS & Acquainting PostGIS through a mock experience	Kapil Oberai
		1700-1730 hrs	Interactive Session (Query)	
25 Sept 12	Tuesday	1600-1700 hrs	Geoserver Essentials- Open layers, Web Services & mock Demo	Dr. Harish Karnatak
		1700-1730 hrs	Interactive Session (Query)	
26 Sept 12	Wednesday	1600-1700 hrs	Catalogue Services- Geonetwork and mock demo	Dr. Sameer Saran
		1700-1730 hrs	Interactive Session (Query)	
27 Sept 12	Thursday	1600-1700 hrs	Cartography and Visualization	Dr. Yogesh Kant
		1700-1730 hrs	Interactive Session (Query)	
28 Sept 12	Friday	1600-1700 hrs	Open Source GIS- Transparent Governance (Case Study)	Dr. Harish Karnatak
		1700-1730 hrs	Interactive Session (Query)	
29 Sept 12	Saturday			
30 Sept 12	Sunday			
01 Oct 12		1600-1700 hrs	Data Quality & Policies OGC, NSDI & GSDI initiatives. Discussion on Internet resources	P L N Raju
		1700-1730 hrs	Interactive Session (Query)	