

COURSE STRUCTURE

1st Semester

Theory Subjects:

Code	Subject	Unit
SGI 1001	Principles of Remote Sensing	1.0
SGI 1003	Global Positioning Systems	1.0
SGI 1005	Cartography & Digital Mapping	1.0
SGI 1007	Geostatistics	1.0
SGI 1009	Geosciences & Image Interpretation	1.0

Sessional Courses::

Code	Subject	Unit
SGI 1004	GPS & Image Interpretation Lab	0.5
SGI 1006	Cartography & Digital Mapping Lab	0.5

2nd Semester

Theory Subjects:

Code	Subject	Unit
SGI 2001	Digital Image Processing	1.0
SGI 2003	Computer Programming	1.0
SGI 2005	Geographic Information Science	1.0
SGI 2007	Research Methodology, Project Formulation & Report Writing	1.0

Sessional Courses::

Code	Subject	Unit
SGI 2002	Digital Image Processing Lab	0.5
SGI 2004	Computer Programming Lab	0.5
SGI 2006	Geographic Information Science Lab	0.5
SGI 2010	Field work & Study Tour Report #	0.5

Study tour will be organized after the end of 1st semester examinations and students are required to submit the tour report during the 2nd semester along with short field work report.

COURSE STRUCTURE

3rd Semester

Theory Subjects:

Code	Subject	Unit
SGI 3001	Spatial Analysis Modeling & Decision Support System	1.0
SGI 3003	Geoinformatics in Resource Management	1.0
SGI 3005	Geoinformatics in Disaster Management	1.0
SGI EL**	Elective	1.0
SGI 3011	Land Information System**	1.0
SGI 3013	Geoinformatics in Regional & Urban Planning**	1.0
SGI 3015	Geoinformatics in Ecology & Forestry**	1.0
SGI 3017	Geoinformatics in Environmental Studies**	1.0
SGI 3019	Geoinformatics in Water Resources**	1.0
SGI 3021	Geoinformatics in Agriculture, Soil & Land Evaluation**	1.0

Sessional Courses::

Code	Subject	Unit
SGI 3002	Spatial Analysis Modeling & Decision Support System Lab	0.5
SGI 3004	Geoinformatics in Resource Management Lab	0.5
SGI 3006	Geoinformatics in Disaster Management Lab	0.5
SGI EL**	Elective Lab	0.5

4th Semester

Theory Subjects:

Code	Subject	Unit
SGI 4001	M.Sc. Research Dissertation	5.0

Sessional Courses::

Code	Subject	Unit
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