

Syllabus of PG Diploma in Geoinformatics

Semester I *(All credits compulsory)*

Paper number	Title of the Paper	Credits
Theory Courses		
GI 101	Introduction to Earth System Sciences	4
GI 102	Principles of remote sensing, photogrammetry	4
GI 103	Image processing & cartography	4
GI 104	Geo-Statistics, GIS & Computer programming	4
Practical Courses		
GI 105	Practical based on paper GI 101	2
GI 106	Practical based on paper GI 102	2
GI 107	Practical based on paper GI 103	2
GI 108	Practical based on paper 104	2
	Seminar	1
Total Credits		25

Semester II

Paper number	Title of the Paper	Credits
Theory Courses <i>(Elective Credits any three)</i>		
GI 201	Geoinformatics in Soil evaluation & agriculture	4
GI 202	Geoinformatics in mineral exploration and geotechnical engineering	4
GI 203	Geoinformatics in urban development	4
GI 204	Geoinformatics in Disaster Management	4
GI 205	Geoinformatics in Water Resource Management	4
GI 206	Geoinformatics in Forestry	4
GI 207	Geoinformatics in Solid Waste Management	4
Practical Courses <i>(Elective Credits any three as per above)</i>		
GI 208	Practical based on elective GI 201	2
GI 209	Practical based on elective GI 202	2
GI 210	Practical based on elective GI 203	2
GI 211	Practical based on elective GI 204	2
GI 212	Practical based on elective GI 205	2
GI 213	Practical based on elective GI 206	2
GI 214	Practical based on elective GI 207	2
<i>Compulsory Credits</i>		
GI 219	Research Methodology <i>(1 internal Theory Component)</i>	1
GI 220	Dissertation	4
GI 221	Project Viva-voce	2
Total Credits		25
Total Credits for the Course		50

Each Theory Paper consists of 4 credits of 100 marks and Practical with 2 credits of 50 marks (Each Credit carries 25 marks)