

MASTER OF SCIENCE IN GEOINFORMATICS

STRUCTURE OF THE PROGRAMME

Semester	Paper Theory/Lab	Instruction hrs/Week Lectures/ Practicals	Duration of Exams (hrs)	Marks			Credits
				IA	Exam	Total	
First Semester: Five Hard Cores and One Soft Core							
GIH 401	Cartography	4	3	30	70	100	4
GIH 402	Remote Sensing and Photogrammetry	4	3	30	70	100	4
GIH 403	Geographical Inf. System (GIS)	4	3	30	70	100	4
GIS 404	Fundamentals of Earth Sciences	3	3	30	70	100	3
GIP 405	RS and Photogrammetry (L)	8	4	30	70	100	4
GIP 406	Earth Science (L)	8	4	30	70	100	4
Semester Total		31	20	180	420	600	23
Second Semester: Two Hard Cores, Four Soft Cores and One Open Elective							
GIH 451	DBMS and Spatial Statistics	4	3	30	70	100	4
GIH 452	Digital Image Processing	4	3	30	70	100	4
GIS 453	Advanced GIS	3	3	30	70	100	3
GIS 454	Applied Geomorphology and Geo-Environmental Science	3	3	30	70	100	3
GIP 455	Geomorphology and Geostatistics (L)	6	3	30	70	100	3
GIP 456	GIS and DBMS (L)	6	3	30	70	100	3
GIE 457	Geoinformatics	3	3	30	70	100	3
Semester Total		29	21	210	490	700	23
Third Semester: Two Hard Cores, Five Soft Cores and One Open Elective							
GIH 501	RS & GIS in Marine Resources and Coastal Zone Management	4	3	30	70	100	4
GIH 502	RS & GIS in Land and Water Resources	4	3	30	70	100	4
GIS 503	RS & GIS in Urban Planning and Disaster Management	3	3	30	70	100	3
GIS 504	RS & GIS in Agriculture and Forestry	3	3	30	70	100	3
GIS 505	Computer Programming	3	3	30	70	100	3
GIP 506	DIP and Comp Programming (L)	6	3	30	70	100	3
GIP 507	RS & GIS in Water and Marine Resources (L)	6	3	30	70	100	3
GIE 508	Geoinformatics of Coastal Environments	3	3	30	70	100	3
Semester Total		32	24	240	560	800	26

Fourth Semester							
GIH 551	Dissertation				200	280	16
	Viva-voce				80		
	Internal Assessment						
	i. Field Work				60	120	
	ii. Field Report				60		
Semester Total					400	400	16
Grand Total						2500	88

Note: GI = Geoinformatics, H = Hardcore, S = Softcore, P = Practical/Project Work, and E = Elective. *Not included for CGPA calculation.

Total Credits from all the Four Semesters:

Semester Credits	Hard Core (H)	Soft Core (S)	Elective (E)	Practical/Project Work (P)	Total credits
First	12	03	--	8 (H)	23
Second	08	06	3*	6 (S)	23
Third	08	09	3*	6 (S)	26
Fourth	--	--	--	16 (H)	16
Total	28	18	6*	24 (H) + 12 (S)	88

Percentage of Hard Core	59.09%
Percentage of Soft Core	34.09%
Percentage of Elective Papers	06.82%
Total	100.00%

Percentage of Theory	59.09%
Percentage of Practicals	22.73%
Percentage of Project Work / Dissertation	18.18%
Total	100.00%