

STRUCTURE OF THE SYLLABUS FOR 2 YEAR PG PROGRAMME

SCHOOL NAME - Royal School of Environment and Earth Sciences (RSEES)

PROGRAMME NAME - M.Sc. in Geoinformatics

1st SEMESTER				
COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
GEOI164C101	Principles of Remote Sensing; Global Positioning System	400	4	3-1-0
GEOI164C102	Fundamentals of GIS	400	4	3-1-0
GEOI164C103	Cartography & Geo Statistics	400	4	3-1-0
GEOI164C104	Geosciences & Image Interpretation	400	4	3-1-0
GEOI164C115	Practical I	400	4	0-0-8
	Swayam Course (Upcoming)		3/4	
TOTAL CREDIT FOR 1st SEMESTER			20+ 3/4	
2nd SEMESTER				
COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
GEOI164C201	Digital Image Processing	500	4	3-1-0
GEOI164C202	Spatial Analysis & Modelling	500	4	3-1-0
GEOI164C203	Geoinformatics in Agriculture, Soil & Land Evaluation	500	4	3-1-0
GEOI164C204	Geoinformatics in Regional and Urban Planning	500	4	3-1-0
GEOI164C215	Practical II	400	4	0-0-8
	Swayam Course (Upcoming)		3/4	
TOTAL CREDIT FOR 2nd SEMESTER			20+3/4	
TOTAL CREDIT FOR 1st YEAR = 46/48				
3rd SEMESTER				
COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
GEOI164C301	Advanced Remote Sensing	500	4	3-1-0
GEOI164C302	Research Methodology	500	4	3-1-0
GEOI164C313	Practical III	500	4	0-0-8
GEOI164D304	Geoinformatics in Disaster Management	500	4	3-1-0
GEOI164D305	Geoinformatics in Forestry	500	4	3-1-0
OR 3rd SEMESTER				
(For students with 3rd and 4th Semester Research)				
GEOI164C321	RESEARCH PROJECT – PHASE I	500	20	
Coursework (12 credits) + Research work (8 credits)				
GEOI164C301	Advanced Remote Sensing	500	4	3-1-0
GEOI164C302	Research Methodology	500	4	3-1-0
GEOI164C313	Practical III	500	4	0-0-8
GEOI164C324	Research (Minor)	500	8	
	TOTAL CREDIT FOR 3rd SEMESTER		20	

4th SEMESTER				
COURSE CODE	COURSE TITLE	LEVEL	CREDIT	L-T-P
GEOI164C401	Geoinformatics in Geomorphological studies	500	4	3-1-0
GEOI164C402	Geoinformatics in Water Resources	500	4	3-1-0
GEOI164C403	Application of Geoinformatics in Climate Change studies	500	4	3-1-0
GEOI164C404	Geoinformatics in Land Resource Management	500	4	3-1-0
GEOI164C405	Geoinformatics in Environmental Management	500	4	3-1-0
OR 4th SEMESTER (For students with 3rd and 4th Semester Research)				
GEOI164D421	RESEARCH PROJECT – PHASE II	500	20	
Dissertation only (for students who have completed only coursework of 20-credit coursework in 3rd semester for Coursework only in lieu of research)				
GEOI164C401	Geoinformatics in Geomorphological study	500	4	3-1-0
GEOI164C402	Geoinformatics in Water Resources	500	4	3-1-0
GEOI164C423	Research (Major)	500	12	
TOTAL CREDIT FOR 4th SEMESTER= 20				
TOTAL CREDIT FOR 2nd YEAR = 40				

