

SYLLABUS FOR



MASTER OF SCIENCE IN REMOTE SENSING & GIS

Four Semester Course Under
Choice Based Credit System

JIWAJI UNIVERSITY, GWALIOR

2015-2017

M. K. Jaiswal
21.7.15

M.Sc. Remote Sensing & GIS Semester I
Choice Based Credit System

Four Semester Course Internal Assessment 40 : End Term Assessment : 60

Course Structure and Scheme of Examination

Contact Hours =30

Credits = 24

Marks = 700

Code	Course	C/E/S	L	T	P	Contact Hours per Week	Credit	Examination Scheme					
								Inter. Assessment	Theory	Practical	Seminar /Viva-Voce	Assignment	Total
RSG-101	Fundamentals of Remote Sensing	Core	3	0	0	4	3	40	60				100
RSG-102	Aerial Photography and Photogrammetry	Core	3	0	0	3	3	40	60				100
RSG-103	Cartography and Global Positioning System	Core	3	0	0	3	3	40	60				100
RSG-104	Digital Image Processing	Core	3	0	0	4	3	40	60				100
RSG-105	Practical - I Image Interpretation And Photogrammetry	Core	0	0	3	6	3			100			100
RSG-106	Practical – II Cartography, GPS and DIP	Core	0	0	3	6	3			100			100
RSG-107	Seminar	Core	0	1	0	2	1				50		50
RSG-108	Assignment	Core	0	1	0	2	1					50	50
	Sub-Total					30		160	240	200	50	50	700
RSG-109	Comprehensive Viva-voce (virtual credit)		0	0	4		4				100		100
	Total					30		160	240	200	150	50	800

Total Credit Value: #20+4 (virtual credit)

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M.Sc. Remote Sensing & GIS Semester II

Contact Hours =30

Credits = 24

Marks = 700

Code	Course	C/E/S	L	T	P	Contact Hours per Week	Credit	Examination Scheme						
								Inter. Assessment	Theory	Practical	Seminar/Viva-Voce	Assignment	Total	
RSG-201	Thermal and Microwave Remote Sensing	Core	3	0	0	4	3	40	60					100
RSG-202	Geographical Information System	Core	3	0	0	3	3	40	60					100
RSG-203	Remote Sensing in Geosciences	Core	3	0	0	3	3	40	60					100
RSG-204	Remote Sensing in Mineral Exploration and Geotechnical Engineering	Core	3	0	0	4	3	40	60					100
RSG-205	Practical – I Microwave Remote Sensing and GIS	Core	0	0	3	6	3			100				100
RSG-206	Practical – II Remote Sensing in Geosciences, Mineral Exploration and Geotechnical Engineering	Core	0	0	3	6	3			100				100
RSG-207	Seminar	Core	0	1	0	2	1					50		50
RSG-208	Assignment	Core	0	1	0	2	1						50	50
	Sub-Total					30		160	240	200	50	50		700
RSG-209	Comprehensive Viva-voce (virtual credit)		0	0	4		4				100			100
Total						30		160	240	200	150	50		800

Total Credit Value: #20+4 (virtual credit)

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M.Sc. Remote Sensing & GIS Semester III

Contact Hours = 30

Credits = 24

Marks = 700

Code	Course	C/E/S	L	T	P	Contact Hours per Week	Credit	Examination Scheme					
								Inter. Assessment	Theory	Practical	Seminar /Viva-Voce	Assignment	Total
RSG-301	Remote Sensing in Water Resources	Core	3	0	0	4	3	40	60				100
RSG-302	Remote Sensing in Agriculture, Soil and Land Evaluation Studies	Core	3	0	0	3	3	40	60				100
RSG-303	Remote Sensing in Forestry	Elective Centric	3	0	0	3	3	40	60				100
RSG-304	Remote Sensing in Marine Sciences	Elective Centric/ Generic	3	0	0	4	3	40	60				100
RSG-305	Practical – I Remote Sensing in Water Resources, Soil & Agriculture	Core	0	0	3	6	3			100			100
RSG-306	Practical – II Remote Sensing in Forestry and marine Sciences	Elective Centric	0	0	3	6	3			100			100
RSG-307	Seminar	Core	0	1	0	2	1				50		50
RSG-308	Assignment	Core	0	1	0	2	1					50	50
Sub Total						30		160	240	200	50	50	700
RSG-309	Comprehensive Viva-voce (virtual credit)		0	0	4		4				100		100
Total						30		160	240	200	150	50	800

Total Credit Value: #20+4 (virtual credit)

Note : Two Elective course are to be chosen.

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