

## M.Sc. in Geo-Informatics

List of Courses:

<i>Code</i>	<i>Title</i>	<i>Credits</i>	<i>Option</i>
<b>First Semester</b>			
GS 5101	Introduction to Geographical Information Systems (GIS)	2	Compulsory
GS 5102	Introduction to Remote Sensing	2	Compulsory
GS 5103	Spatial Database Management	2	Compulsory
GS 5104	Fundamentals of Global Positioning Systems (GPS)	1	Compulsory
GS 5105	Surveying and Spatial Measurements	2	Compulsory
*ST 5101	Calculus and Matrix Algebra	2	Prerequisite
*ST 5102	Basic Statistics	2	Compulsory/ Prerequisite
ST 5106	Computer Programming	2	Elective
<b>Second Semester</b>			
GS 5201	Fundamentals of Spatial Statistics	2	Compulsory
GS 5202	Thematic Mapping, Cartography and Photogrammetry	2	Compulsory
GS 5203	Spatial Modeling and Analysis	2	Compulsory
GS 5204	Advanced GIS and Applications	3	Compulsory
GS 5205	Advanced Digital Image Processing	2	Compulsory
GS 5206	Microwave Remote Sensing	2	Compulsory
CS 5212	Scientific Writing and Proposal Formation	2	Elective
<b>Second Year First Semester</b>			
GS 5198	Directed Study	2	Compulsory
GS 5199	Seminar	1	Compulsory
GS 6102	Advanced Remote Sensing and Applications	2	Compulsory
GS 6103	Recent Advances in Geo-Informatics	2	Compulsory
GS 6104	Spatial Data Infrastructure	1	Compulsory
GS 6101	Statistical Methods for Spatial Data analysis	2	Elective