



**ADAMAS UNIVERSITY**  
**SCHOOL OF BASIC AND APPLIED SCIENCES**  
**DEPARTMENT OF GEOGRAPHY**

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**Program Name:**  
**M.Sc. (GEOGRAPHY)**  
**Program Code: GEO4202**

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**Total Credit: 100**

**Syllabus 2024-25**

(Course Structure and Syllabus modified as per the Board of Studies meeting held on  
29<sup>th</sup> June 2024)

**School of Basic and Applied Sciences**  
**Department of Geography**  
**M.Sc. (Geography), Course Structure**

**Semester I**

Subject Code	Subject	L	T	P	C
GEO21246	Geotectonics and Geomorphology	3	0	0	3
GEO21202	Climatology	3	0	0	3
GEO21203	Population and Settlement	3	0	0	3
GEO21204	Regional Geography	3	0	0	3
GEO21247	Geography of Environment, Hazards & Disaster	3	0	0	3
GEO21248	Geoinformatics I	3	0	0	3
GEO22249	Geoinformatics I Lab	0	0	6	4
GEO22250	Research Methodology	0	0	3	2
	<b>Total Credit</b>				<b>24</b>

**Semester II**

Subject Code	Subject	L	T	P	C
GEO21208	Hydrology and Oceanography	3	0	0	3
GEO21211	Social-Cultural Geography	3	0	0	3
GEO21251	Geoinformatics II	3	0	0	3
GEO22252	Geoinformatics II Lab	0	0	6	4
GEO22213	Advanced Cartography and Surveying Lab	0	0	6	4
GEO22214	Geo-spatial Analysis and its Applications Lab	0	0	6	4
GEO22215	Geocomputation and Geovisualisation Lab	0	0	3	2
GEO25253	Term Paper Leading to Dissertation I	0	0	3	2
	<b>Total Credit</b>				<b>25</b>

**Semester III**

Subject Code	Subject	L	T	P	C	
GEO21210	Soil and Biogeography	3	0	0	3	
GEO21212	Political Geography and International Relations	3	0	0	3	
GEO21216	Geography of Economic Behavior	3	0	0	3	
GEO22207	Geo-statistics Lab	0	0	6	4	
GEO24220	Term Paper Leading to Field Project	0	0	3	2	
GEO25254	Term Paper Leading to Dissertation II	0	0	3	2	
GEO24222	Industry Internship	0	0	3	2	
<b>Advanced Elective Theory &amp; Practical Courses (any one group)</b>						
		Group				
GEO21223	Advanced Elective Theory I: Advanced Environmental Geography	A	3	0	0	3
GEO22224	Advanced Elective Practical I: Advanced Environmental Geography		0	0	6	4

GEO21225	Advanced Elective Theory I: Applied Geomorphology and Hazard	B	3	0	0	3
GEO22226	Advanced Elective Practical I: Applied Geomorphology and Hazard		0	0	6	4
GEO21227	Advanced Elective Theory I: Urban and Regional Planning	C	3	0	0	3
GEO22228	Advanced Elective Practical I: Urban and Regional Planning		0	0	6	4
GEO21229	Advanced Elective Theory I: Hydro-meteorology	D	3	0	0	3
GEO22230	Advanced Elective Practical I: Hydro-meteorology		0	0	6	4
GEO21231	Advanced Elective Theory I: Remote Sensing and GIS	E	3	0	0	3
GEO22232	Advanced Elective Practical I: Remote sensing and GIS		0	0	6	4
	<b>Total</b>					<b>26</b>

#### Semester IV

Subject Code	Subject		L	T	P	C
GEO21217	Philosophy of Geography		3	0	0	3
GEO22219	Advanced Quantitative Techniques Lab		0	0	6	4
<b>Advanced Elective Theory &amp; Practical Courses (any one group)</b>		Group				
GEO21233	Advanced Elective Theory II: Advanced Environmental Geography	A	3	0	0	3
GEO22234	Advanced Elective Practical II: Advanced Environmental Geography		0	0	6	4
GEO21235	Advanced Elective Theory II: Applied Geomorphology and Hazard	B	3	0	0	3
GEO22236	Advanced Elective Practical II: Applied Geomorphology and Hazard		0	0	6	4
GEO21237	Advanced Elective Theory II: Urban and Regional Planning	C	3	0	0	3
GEO22238	Advanced Elective Practical II: Urban and Regional Planning		0	0	6	4
GEO21239	Advanced Elective Theory II: Hydro-meteorology	D	3	0	0	3
GEO22240	Advanced Elective Practical II: Hydro-meteorology		0	0	6	4
GEO21241	Advanced Elective Theory II: Remote Sensing and GIS	E	3	0	0	3
GEO22242	Advanced Elective Practical II: Remote sensing and GIS		0	0	6	4
GEO24244	Field Project and Comprehensive Viva		0	0	6	4
GEO25245	Dissertation and Comprehensive Viva		0	0	10	7
	<b>Total</b>					<b>25</b>