

Revised Course Structure for 3-year M. Sc. Tech.
in Applied Geology Program
(Effective for Batches from 2015-2016 but before 2019-2020)

For V and VI Semesters

V Semester			
Course No.	Courses	L – T – P	Credit
Theory			
GLC 520	Hydrogeology	3 – 0 – 0	06
GLC 25128	Geodynamics	3 – 0 – 0	06
GLE 25130 GLE 25131 GLE 25132 GLE 25129 GLE 25133 GLE 25134	Electives (Any one of the following): Sequence stratigraphy and Basin Analysis Image Processing Contaminant Hydrogeology Well logging Organic Geochemistry in Hydrocarbon Exploration Computer Applications in Geology	3 – 0 – 0	06
GLO 523	Atmosphere, Ocean and Climate Dynamics	3 – 0 – 0	06
PER 51102	Petroleum Reservoir Engineering and Field Development	3 – 1 – 0	07
Practical/Project/Seminar/Dissertation/Viva-voce			
GLC 25227	Hydrogeology Practical	0 – 0 – 3	03
GLC 25235	Atmosphere, Ocean and Climate Dynamics Practical	0 – 0 – 3	03
GLC 25536	Topical Seminar	0 – 0 – 0	02
Total		15 – 1 – 6	39

VI Semester			
Course No.	Courses	L – T – P	Credit
Theory			
GLC 26136	Engineering Geology	3 – 0 – 0	06
GLC 26137	Environmental Geology	3 – 0 – 0	06
GLE 26138 GLO 545	Electives (Any one of the following): Coal Bed Methane, Shale Gas and Gas Hydrate Exploration Nuclear Geology	3 – 0 – 0	06
MER 16105	Rock Mechanics	3 – 0 – 0	06
FMC 26151	Mineral Beneficiation	3 – 0 – 0	06
Practical/Project/Seminar/Dissertation/Viva-voce			
GLC 26236	Engineering Geology Practical	0 – 0 – 3	03
MER 16205	Rock Mechanics Practical	0 – 0 – 2	02
FMC 26251	Mineral Beneficiation Practical	0 – 0 – 3	03
GLC 26842	Dissertation	0 – 0 – 3	06
GLC 26543	Seminar on Dissertation	0 – 0 – 0	04
GLC 26844	Summer Internship/Industrial Training ****	0 – 0 – 0	02
GLC 26545	Composite Viva-voce	0 – 0 – 0	02
Total		15 – 0 – 11	52

**** Summer Internship/Industrial Training of minimum two weeks duration, during vacation after IV Semester, with credit in VI Semester