

COURSE AT A GLANCE

SUBJECT: GEOLOGY

ACADEMIC SESSION: **2025-26****First Semester-December, 2025**

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
411	CRYSTALLOGRAPHY, GENERAL GEOLOGY	4(Theory)	20+80	100
412	METEROLOGY, ENVIRONMENTAL GEOLOGY AND MARINE GEOLOGY	4(Theory)	20+80	100
413	MINEROLOGY AND OPTICAL MINEROLOGY	4(Theory)	20+80	100
414	GEOMORPHOLOGY, GEO-STATISTICS AND REMOTE SENSING	4(Theory)	20+80	100
415	PRACTICAL (GL-411 & 412)	2(Theory)	20+80	100
416	PRACTICAL (GL-413 & 414)	2(Practical)	100	100
417	Environmental Studies and Disaster Management	2	40+60	100

Second Semester-April, 2026

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
421	IGNEOUS PETROLOGY	4(Theory)	20+80	100
422	SEDIMENTARY PETROLOGY AND METAMORPHIC PETROLOGY	4(Theory)	20+80	100
423	STRUCTURAL GEOLOGY AND GEOTECTONICS	4(Theory)	20+80	100
424	SEMINAR AND FIELD REPORT PRACTICAL (GL-421 & 422)	4(Theory)	20+80	100
425	PRACTICAL (GL-421 & 422)	2(Theory)	20+80	100
426	PRACTICAL (GL-423)	2(Practical)	100	100
427	Inter Disciplinary Course (IDC)	3	40+60	100

Third Semester-December, 2026

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
511	HYDROLOGY & ENGINEERING GEOLOGY	4(Theory)	20+80	100
512	GEOCHEMISTRY, THEORIES OF MINERAL FORMATION AND MINERAL EXPLORATION	4(Theory)	20+80	100
513	METALLIC MINERALS/ ORES AND INDUSTRIAL MINERALS	4(Theory)	20+80	100
514	FOSSIL FUELS, NUCLEAR MINERALS, MINERAL ECONOMICS, QUATERNARY GEOLOGY	4(Theory)	20+80	100
515	PRACTICAL (GL-511 & 512)	2(Theory)	20+80	100
516	PRACTICAL (GL-513 & 514)	2(Practical)	100	100
517	Entrepreneurship Development	2	40+60	100

Fourth Semester-April, 2027

Course Number	Course Title	Credit Hour	Mark Distribution	Maximum Marks
521	PALIENTOLOGY	4(Theory)	20+80	100
522	STRATIGRAPHY	4(Theory)	20+80	100
523	ELECTIVE (DIGITAL IMAGE PROCESSING)	4(Theory)	20+80	100
525	PROJECT & FIELD REPORT	4(Theory)	20+80	100
524	PRACTICAL (GL-521 & 522)	2(Practical)	100	100
526	PRACTICAL (GL-523) & FIELD REPORT	2(Practical)	100	100
527	MOOC	3		100

