

Department of Geology
Faculty of Earth Sciences
Mohanlal Sukhadia University, Udaipur

M. Sc. Geology - Course structure
Under Choice Based Credit System (CBCS) w. e. f. 2015 – 16
Core Papers

| Paper Code | Paper Name |
|-------------------|---|
| M1GEO01-CT01 | Tectonics and Geomorphology |
| M1GEO02-CT02 | Mineralogy |
| M1GEO03-CT03 | Palaeontology -I |
| M1GEO04-CT04 | Precambrian Stratigraphy |
| M2GEO01-CT05 | Structural Geology |
| M2GEO02-CT06 | Sedimentary Petrology |
| M2GEO03-CT07 | Palaeontology – II |
| M2GEO04-CT08 | Phanerozoic Stratigraphy |
| M3GEO01-CT09 | Economic Geology |
| M3GEO02-CT10 | Igneous Petrology |
| M4GEO01-CT11 | Metamorphic Petrology |
| M4GEO02-CT12 | Mineral Exploration & Mining Geology |
| M1GEO05-CP01 | Practical – I : Tectonics and Geomorphology , Mineralogy |
| M1GEO06-CP02 | Practical – II : Palaeontology, Precambrian Stratigraphy |
| M2GEO05-CP03 | Practical – III : Structural Geology, Sedimentary Petrology |
| M2GEO06-CP04 | Practical – IV : Palaeontology, Stratigraphy |
| M3GEO05-CP05 | Practical – V : Economic Geology & Igneous Petrology |
| M4GEO05-CP06 | Practical – VI : Metamorphic Petrology & Mineral Exploration & Mining Geology |

Discipline Specific Electives

| Paper Code | Paper Name |
|-------------------|--|
| M3GEO03-ET01 | Ground Water Geology |
| M3GEO04-ET02 | Photo-geology Remote Sensing |
| M4GEO03-ET03 | Environmental Geology & Disaster Management |
| M4GEO04-ET04 | Geochemistry |
| M3GEO06-EP01 | Elective Practical - I : Ground Water Geology & Photo-geology Remote Sensing |
| M4GEO06-EP02 | Elective Practical – II : Environmental Geology & Disaster Management & Geochemistry |

Skill Papers

| Paper Code | Paper Name |
|-------------------|--------------------|
| M2GEO07-SE01 | Application of GIS |
| M4GEO07-SE02 | Survey & Leveling |

M. Sc. Geology - Course structure
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Department of Geology
Faculty of Earth Sciences, M.L. Sukhadia University

M. Sc. First Year (Semester I)
GEOLOGY

| Course S.No. | Course Code | Title of Course | L-T-P | No. of Credit | Max. Marks | | Total |
|--------------|--------------|--|-------|---------------|------------|-------------|-------|
| | | | | | Univ. Exam | Inter. Exam | |
| 1 | M1GEO01-CT01 | Core Course – I Tectonics and Geomorphology | 3-1-0 | 4 | 80 | 20 | 100 |
| 2 | M1GEO02-CT02 | Core Course – II Mineralogy | 3-1-0 | 4 | 80 | 20 | 100 |
| 3 | M1GEO03-CT03 | Core Course – III Palaeontology -I | 3-1-0 | 4 | 80 | 20 | 100 |
| 4 | M1GEO04-CT04 | Core Course – IV Precambrian Stratigraphy | 3-1-0 | 4 | 80 | 20 | 100 |
| 5 | M1GEO05-CP01 | Core Course PR– I (Tectonics and Geomorphology , Mineralogy) | 0-0-8 | 4 | 80 | 20 | 100 |
| 6 | M1GEO06-CP02 | Core Course PR– II (Palaeontology, Precambrian Stratigraphy) | 0-0-8 | 4 | 80 | 20 | 100 |
| TOTAL | | | | 24 | 480 | 120 | 600 |

M. Sc. Geology - Course structure

Under Choice Based Credit System (CBCS)

Department of Geology
Faculty of Earth Sciences, M.L. Sukhadia University

M. Sc. First Year (Semester II)

GEOLOGY

| Course S.No. | Course Code | Title of Course | L-T-P | No. of Credit | Max. Marks | | Total | |
|--------------|--------------|---|-------|---------------|------------|-------------|-------|-----|
| | | | | | Univ. Exam | Inter. Exam | | |
| 1 | M2GEO01-CT05 | Core Course – V Structural Geology | 3-1-0 | 4 | 80 | 20 | 100 | |
| 2 | M2GEO02-CT06 | Core Course – VI Sedimentary Petrology | 3-1-0 | 4 | 80 | 20 | 100 | |
| 3 | M2GEO03-CT07 | Core Course – VII Palaeontology – II | 3-1-0 | 4 | 80 | 20 | 100 | |
| 4 | M2GEO04-CT08 | Core Course – VIII Phanerozoic Stratigraphy | 3-1-0 | 4 | 80 | 20 | 100 | |
| 5 | M2GEO05-CP03 | Core Course PR– III (Structural Geology, Sedimentary Petrology) | 0-0-8 | 4 | 80 | 20 | 100 | |
| 6 | M2GEO06-CP04 | Core Course PR– IV (Palaeontology, Stratigraphy) | 0-0-8 | 4 | 80 | 20 | 100 | |
| 7 | M2GEO07-SE01 | Skill Course Elective Application of GIS | 0-0-4 | 2 | 80 | 20 | 100 | |
| TOTAL | | | | | 26 | 560 | 140 | 700 |

M. Sc. Geology - Course structure

Under Choice Based Credit System (CBCS)

Department of Geology
Faculty of Earth Sciences, M.L. Sukhadia University

M. Sc. Second Year (Semester III)

GEOLOGY

| Course S.No. | Course Code | Title of Course | L-T-P | No. of Credit | Max. Marks | | Total |
|--------------|--------------|---|-------|---------------|------------|-------------|-------|
| | | | | | Univ. Exam | Inter. Exam | |
| 1 | M3GEO01-CT09 | Core Course –IX Economic Geology | 3-1-0 | 4 | 80 | 20 | 100 |
| 2 | M3GEO02-CT10 | Core Course – VI Igneous Petrology | 3-1-0 | 4 | 80 | 20 | 100 |
| 3 | M3GEO03-ET01 | Discipline Specific Elective Course – I Ground Water Geology | 3-1-0 | 4 | 80 | 20 | 100 |
| 4 | M3GEO04-ET02 | Discipline Specific Elective Course – II Photo-geology Remote Sensing | 3-1-0 | 4 | 80 | 20 | 100 |
| 5 | M3GEO05-CP05 | Core Course PR–V (Economic Geology & Igneous Petrology) | 0-0-8 | 4 | 80 | 20 | 100 |
| 6 | M3GEO06-EP01 | Elective PR– I (Ground Water Geology & Photo- geology Remote Sensing) | 0-0-8 | 4 | 80 | 20 | 100 |
| TOTAL | | | | 24 | 480 | 120 | 600 |

M. Sc. Geology – Course structure

Under Choice Based Credit System (CBCS)

Department of Geology
Faculty of Earth Sciences, M.L. Sukhadia University

M. Sc. Second Year (Semester IV)

GEOLOGY

| Course S.No. | Course Code | Title of Course | L-T-P | No. of Credit | Max. Marks | | Total |
|--------------|--------------|---|-------|---------------|------------|-------------|-------|
| | | | | | Univ. Exam | Inter. Exam | |
| 1 | M4GEO01-CT11 | Core Course –XI Metamorphic Petrology | 3-1-0 | 4 | 80 | 20 | 100 |
| 2 | M4GEO02-CT12 | Core Course – XII Mineral Exploration & Mining Geology | 3-1-0 | 4 | 80 | 20 | 100 |
| 3 | M4GEO03-ET03 | Discipline Specific Elective Course – III Environmental Geology & Disaster Management | 3-1-0 | 4 | 80 | 20 | 100 |
| 4 | M4GEO04-ET04 | Discipline Specific Elective Course – IV Geochemistry | 3-1-0 | 4 | 80 | 20 | 100 |
| 5 | M4GEO05-CP06 | Core Course PR–VI (Metamorphic & Mineral Exploration & Mining Geology) | 0-0-8 | 4 | 80 | 20 | 100 |
| 6 | M4GEO06-EP02 | Elective PR– II (Environmental Geology & Disaster Management & Geochemistry) | 0-0-8 | 4 | 80 | 20 | 100 |
| 7 | M4GEO07-SE02 | Skill Course Elective (Survey & Leveling) | 0-0-4 | 2 | 80 | 20 | 100 |
| TOTAL | | | | 24 | 560 | 140 | 700 |