Department of Studies in Applied Geo

Name of the Course	Course Code	Name of the Programme	
Stratigarphy and Palaeontology	CTAG 1.1	Master of Science	
Mineralogy	CTAG1.2	Master of Science	
Geodynamics and Structural Geology	CTAG 1.3	Master of Science	Understan
Gemstones and Industrial Minerals	CTAG 1.4	Master of Science	
Palaeontology Practicals	CPAG 1.5	Master of Science	
Mineralogy Practicals	CPAG1.6	Master of Science	
Structural Geology Practicals	CPAG 1.7	Master of Science	Understan
Petrology	CTAG 2.1	Master of Science	Study of di
Mining Geology	CTAG 2.2	Master of Science	
Ore Geology, Indian Mineral Deposits & Energy Resources	CTAG 2.3	Master of Science	
Earth Science-I (Elective)	ETAG 2.4	Master of Science	
Petrology Practicals	CPAG 2.5	Master of Science	Study of di
Ore Geology Practicals	CPAG 2.6	Master of Science	
Ore Reserve Estimation Practicals	CPAG 2.7	Master of Science	
Geochemistry	CTAG 3.1	Master of Science	
Hydrogeology	CTAG 3.2	Master of Science	Und
Mineral Economics & Engineering Geology	CTAG 3.3	Master of Science	Understanc
Earth Science-II (Elective)	ETAG 3.4	Master of Science	
Geochemistry Practicals	CPAG 3.5	Master of Science	
Hydrogeology Practicals	CPAG 3.6	Master of Science	
Geostatistics & Computer Application	CPAG 3.7	Master of Science	

Mineral Beneficiation & Environmental Geology	CTAG 4.1	Master of Science	Understan
Geochemical Exploration & Geophysical Exploration	CTAG 4.2	Master of Science	
Photogeology and Remote Sensing	CTAG 4.3	Master of Science	Opportu
Mineral Beneficiation Practical	CPAG 4.5	Master of Science	
Exploration Geophysics	CPAG 4.6	Master of Science	
Photogeology and Remote Practical	CPAG 4.7	Master of Science	Opportu
Dissertation		Master of Science	
Field Work		Master of Science	To impar
Study Tour		Master of Science	to gain ex

ology

Activities with direct bearing on Employability/ Entrepre

Understand the various theories of evolution and d
Understand the various minerals present beneath the Ear
d the processes leading to the formation of all the physica its structural de
Study of various gem stones and industrial minerals which
Understand the various theories of evolution and d
Understand the various minerals present beneath the Ear
d the processes leading to the formation of all the physica its structural de
ifferent group of igneous, sedimentary and metamorphic r
Understand different mining methods to calcula
Understand occurrence of different types
Introduction to E
ifferent group of igneous, sedimentary and metamorphic r
Understand different ty
Understand problems related to mini
Understand different geochemical theories and
ersand the occurrence, resources and problems related to
d the status of different minerals in National & Internation on engineerin
Introduction to E
Analytical approach to understand geoch
Practical approach to basins, rainfall problems, wat
Introduction to statistics in Geological Proble

ıding the different concepts involved in Mineral processing Understand deterioration of environment due to
Understanding the different concepts involved i
ınities in the field of large-scale mapping, updating of exist natural resource
Practical approach in understanding be
Practical approach in understanding exploration of
ınities in the field of large-scale mapping, updating of exist natural resource
Project/Research/D
‘t in students all the skills required for one to work in field work in different terrains and later a
xposure and first hand experience as how to work in geolo industrial and geological interests places and

neurship/ Skill development- ONE LINE DESCRIPTION
evelopment of the Planet Earth; Study of fossils
rth's crust; their mode of occurrence and composition
l features on the Earth and to study its geometry with respect to evelopment
are used in ornaments and other industrial purposes.
evelopment of the Planet Earth; Study of fossils
rth's crust; their mode of occurrence and composition
l features on the Earth and to study its geometry with respect to evelopment
rocks with respect to its occurrence, composition and deposition
te, excavate and exploit important ore types
of ore deposits in India and its reserves
Earth Science
rocks with respect to its occurrence, composition and deposition
pes of ores minerals
ng and calculation of ore reserves
dynamics behind composition of elements
quality and quantity of different types of water resources
al market and its categories; Application of geological knowledge g projects
Earth Science
emical composition of different ores
er quality for different purposes, well inventory
ms and application of different softwares

g industry and its applications to various metals and non-metals; various natural and anthropogenic activities
in Geochemical and Geophysical Exploration
ting geographical maps, project planning, decision-making and management
neficiation of different ore minerals
rocks and minerals using geophysical techniques
ting geographical maps, project planning, decision-making and management
issertation Work
as a Geologist; students are being undertaken two weeks field Report is generated of the same.
gical and allied industries students are being taken to different d later a Report of the same is generated