



গড়গাঁও মহাবিদ্যালয়
GARGAON COLLEGE

**TEACHING PLAN
DEPARTMENT OF GEOLOGY
JULY 2021 - JUNE 2022**

TEACHING PLAN OF
DR. CHANDRADITYA GOGOI

Odd Semester
(Session 2021-2022)

As per recommendation of DMC meeting dated 27th of July, 2021, the following teaching plan has been adopted for curriculum completion for the odd semester 2021.

Subject: Geology

Name of the Teacher: Dr. ChandradityaGogoi

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)

(ODD SEMESTER 2021)


SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Lectures	Tutorials
1 ST SEM	CRYSTALLOGRAPHY AND MINERALOGY	C2	UNIT 1: CRYSTALLOGRAPHY	23 hrs.	2hrs.
			UNIT 2: MINERALOGY	32 hrs.	3hrs.
3 RD SEM	IGNEOUS PETROLOGY	C5	UNIT 1: INTRODUCTION TO IGNEOUS PETROLOGY	2 hrs.	1 hr.
			UNIT2: MAGMA AND LAVA	3 hrs.	1 hr.
			UNIT 3: THERMODYNAMIC CONSIDERATIONS	4 hrs.	1 hr.
			UNIT 4: EVOLUTION AND DIFFERENTIATIONS OF MAGMA	7 hrs.	1 hr.
			UNIT 5: IGNEOUS TEXTURE AND STRUCTURES	4 hrs.	1 hr.
			UNIT 6: IGNEOUS ROCKS AND PETROGENESIS	9 hrs.	1 hr.
5 TH SEM	SURVEYING AND MAPPING	DSE 2	UNIT 1: PRINCIPLES OF SURVEYING	6 hrs.	2 hrs.
			UNIT 2: SURVEYING AND LEVELLING	13 hrs.	2 hrs.
			UNIT 3: MAPPING	8 hrs.	2 hrs.
			UNIT 4: PROFILE SECTIONS	2 hrs.	2 hrs.

UNIT WISE TIME PLANNING (PRACTICALS)

(ODD SEMESTER 2021)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD
1ST SEMESTER	CRYSTALLOGRAPHY AND MINERALOGY	C2	PR.1: IDENTIFICATION OF CRYSTAL MODELS PR.2: STUDY OF CRYSTALS AND SYMMETRY ELEMENTS OF CRYSTAL MODELS PR.3: STEREOGRAPHIC PROJECTIONS OF CRYSTAL MODELS OF DIFFERENT SYSTEMS PR.4: STUDY AND IDENTIFICATION OF MINERALS IN HAND SPECIMEN	24 HOURS
3RD SEMESTER	IGNEOUS PETROLOGY	C5	PR.1: STUDY OF IGNEOUS ROCK IN HAND SPECIMENS PR.2: STUDY OF IGNEOUS ROCK IN THIN SECTION PR.3: STUDY OF TEXTURE IN THIN SECTION AND HANDSPECIMEN PR.4: STUDY OF PHASE DIAGRAMS TO UNDERSTAND MELTS COMPOSITIONS AND CRYSTALLIZATION	24 HOURS

5TH SEMETER	SURVEYING AND MAPPING	DSE 2	PR.1: USE OF COMPASS, CHAIN, TAPE AND PLANE TABLE FOR PLANE SURVEYING PR.2: USE OF GPS AND GIS FOR SURVEYING AND MAPPING PR.3: CONSTRUCTION OF GEOLOGICAL MAPS PR.4: GEOLOGICAL MAP PROBLEMS PR.5: CONSTRUCTION OF GEOLOGICAL PROFILE SECTIONS FROM MAPS AND TRAVERSE SECTIONS	24 HOURS
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 Head of the Department
 Department of surveying
 Gargoon College

TEACHING PLAN OF
DR. CHANDRADITYAGOGOI

Even Semester
(Session 2021-2022)

As per recommendation of DMC meeting dated 17th of January, 2022, the following teaching plan has been adopted for curriculum completion for the even semester 2022.

Subject: Geology

Name of the Teacher: Dr. ChandradityaGogoi

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)

(EVEN SEMESTER 2022)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Tutorial	Practical
2ND SEMESTER	GEOCHEMISTRY AND OPTICAL MINERALOGY	C3	UNIT 1: CONCEPT OF GEOCHEMISTRY	3 hrs.	1 hr.
			UNIT 2: EARTH AND GEOCHEMISTRY	4 hrs.	1 hr.
			UNIT 3: ELEMENT TRANSPORT AND GECEMICAL BEHAVIOUR OF ELEMENTS	3 hrs.	1 hr.
			UNIT 4: NATURE IF LIGHT AND OPTICAL PROPERTIES OF MINERALS	10 hrs.	2 hrs.
			UNIT 5: DESCRIPTIVE MINERALOGY	9 hrs.	1 hr.
4TH SEMESTER	STRATIGRAPHIC PRINCIPLES AND STRATIGRAPHY OF INDIA	C9	UNIT 1: PRINCIPLES OF STRATIGRAPHY	6 hrs.	.2 hrs.
			UNIT 2: STRATIGRAPHIC NOMENCLATURE AND LAWS OF FACIES	8 hrs.	2 hrs.
			UNIT 3: STRATIGRAPHY OF INDIA	15 hrs.	2 hrs.
6TH SEMESTER	GEOLOGY OF NORTHE EAST INDIA	DSE 3	UNIT 1: PHYSIOGRAPHICAL OVERVIEW	4 hrs.	2 hrs.
			UNIT 2: STRATIGRAPHICAL OVERVIES	4 hrs.	2 hrs.
			UNIT 3: GEOLOGICAL FEATURES	12 hrs.	3 hrs.
			UNIT 4: ECONOMIC SIGNIFICANCE	2 hrs.	1 hr.
			UNIT 5: NATURAL HAZARDS AND DISASTERS	2 hrs.	1 hr.

UNIT WISE TIME PLANNING (PRACTICALS)

(EVEN SEMESTER 2022)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD
2ND SEMESTER	GEOCHEMISTRY AND OPTICAL MINERALOGY	C3	PR.1: IDENTIFICATION AND UNDERSTANDING OF DIFFERENT PARTS OF PETROLOGICAL MICROSCOPE PR.2: IDENTIFICATION OF ROCK FORMING MINERALS UNDER PETROLOGICAL MICROSCOPE PR.3: STUDY OF INTERFERENCE FIGURES AND DETERMINATION OF OPTIC SIGNS FROM MINERALS	24 HOURS
4TH SEMESTER	STRATIGRAPHIC PRINCIPLES AND INDIAN STRATIGRAPHY	C9	PR.1: STUDY OF GEOLOGICAL MAP OF INDIA AND IDENTIFICATION OF MAJOR STRATIGRAPHIC UNITS PR.2: STUDY OF ROCKS IN HANDSPECIMENS FROM KNOWN INDIAN STRATIGRAPHIC HORIZONS PR.3: DRAWING VARIOUS PALEOGEOGRAPHIC MAPS OF PRECAMBRIAN TIME PR.4: STUDY OF DIFFERENT PROTEROZOIC SUPER CONTINENT RECONSTRUCTIONS	24 HOURS

6TH SEMESTER	EARTH AND CLIMATE	DSE 4	PR.1: STUDY AND IDENTIFICATION OF GEOMORPHIC FEATURES FROM IMAGE /PHOTO /SATELLITE IMAGERY PR.2: STUDY AND IDENTIFICATION OF GEOMORPHIC FEATURES FROM GEOMORPHIC MODELS PR.3: STUDY AND IDENTIFICATION OF GEOMORPHIC FEATURES FROM CONTOUR MAPS PR.4: DRAWING A PROFILE AND DISCUSSION OF GEOMORPHIC FEATURES FROM TOPOGRAPHICAL MAPS	24 HOURS
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 Head of the Department
 Department of Geography
 Gargaon College

TEACHING PLAN OF
Ms. BONIKA BURAGOHAİN
Odd Semester
(Session 2021-2022)

As per recommendation of DMC meeting dated 27th of July, 2021, the following teaching plan has been adopted for curriculum completion for the odd semester 2021.

Subject: Geology

Name of the Teacher: Ms. Bonika Buragohain

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)


(ODD SEMESTER 2021)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Lectures	Tutorials
1 ST SEM	INTRODUCTION TO GEOLOGY	GE1	UNIT 1: SOLAR SYSTEM & EARTH	3 hrs.	1 hr.
			UNIT 2: PRINCIPLES OF GEOLOGY	3 hrs.	1 hr.
			UNIT 3: EARTH'S EXOGENIC PROCESSES	5 hrs.	1 hr.
			UNIT 4: EARTH'S DYNAMIC & ENDOGENIC PROCESSES	5 hrs.	1 hr.
			UNIT 5: GENESIS OF ROCKS	5 hrs.	1 hr.
			UNIT 6: INTRODUCTION TO PALEONTOLOGY	5 hrs.	1 hr.
3 RD SEM	SEDIMENTARY PETROLOGY	C6	UNIT1: ORIGIN OF SEDIMENTS	4 hrs.	1 hr.
			UNIT 2: PROPERTIES OF SEDIMENTS AND SEDIMENTARY ROCKS	5 hrs.	1 hr.
			UNIT 3: CLASSIFICATIONS		
			UNIT 4: PROCESSES OF FORMATION OF SEDIMENTARY ROCKS	2 hrs.	1 hr.
			UNIT 5: DESCRIPTIVE SEDIMENTARY PETROLOGY	9 hrs.	1 hr.
				9 hrs.	1 hr.
5 TH SEM	FUEL GEOLOGY	DSE 1	UNIT 1: COAL	6 hrs.	1 hr.
			UNIT 2: COAL AS A FUEL	6 hrs.	1 hr.
			UNIT 3: PETROLEUM	6 hrs.	1 hr.
			UNIT 4: PETROLEUM RESERVOIRS AND TRAPS	6 hrs.	2 hrs.
			UNIT 5: OTHER FIELDS	5 hrs.	1 hr.

UNIT WISE TIME PLANNING (PRACTICALS)

(ODD SEMESTER 2021)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD
1 ST SEMESTER	INTRODUCTION TO GEOLOGY	GE 1	PR.1: STDY OF MINERALS IN HAND SPECIMEN PR.2:STDY OF ROCKS IN HAND SPECIMEN PR.3: STUDY OF GEOMORPHIC MODELS PR.4: STUDY OF GEOLOGICAL MAPS	24 HOURS
3 RD SEMESTER	SEDIMENTARY PETROLOGY	C6	PR.1: STUDY OF SEDIMENTARY ROCKS IN HAND SPECIMENS PR.2: STUDY OF SEDIMENTARY ROCKS IN THIN SECTIONS PR.3: STUDY OF TEXTURE IN THIN SECTIONS AND HAND SPECIMENS PR.4: GENERAL OVERVIEW ON DEPOSITIONAL CONDITIONS AND PROVENANCE FROM THE STUDY OF FRAME WORK , CEMENT AND MATRIX OF GIVEN SEDIMENTARY ROCK IN THIN SECTIONS	24 HOURS
5 TH SEMETER	FUEL GEOLOGY	DSE 1	PR.1: STUDY OF HAND SPECIMENS OF COAL PR.2: RESERVE ESTIMATION OF COAL PR.3: SECTION CORRELATION AND IDENTIFICATION OF HYDROCARBON PROSPECTS PR.4: PANEL AND FENCE DIAGRAMS	24 HOURS


Head of the Department
Department of geology
Gargaon College

TEACHING PLAN OF
Ms. BONIKA BURAGOHAİN
Even Semester, 2022
(Session 2021-2022)

As per recommendation of DMC meeting dated 17th of January, 2022, the following teaching plan has been adopted for curriculum completion for the even semester 2022.

Subject: Geology

Name of the Teacher: Ms. Bonika Buragohain

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)

(EVEN SEMESTER 2022)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Tutorial	Practical
2ND SEMESTER	PALEONTOLOGY	GE2	UNIT 1: INTRODUCTION TO PALEONTOLOGY	28 hrs.	2 hrs.
			UNIT 2: NOMENCLATURE OF FOSSILS	28 hrs.	2 hrs.
			UNIT 3: VERTEBRATE FOSSILS	28 hrs.	2 hrs.
			UNIT 4: INVERTEBRATE FOSSILS	28 hrs.	2 hrs.
			UNIT 5: GONDWANA FLORA	28 hrs.	2 hrs.
			UNIT 6: APPLICATION OF PALEONTOLOGY	28 hrs.	2 hrs.
4TH SEMESTER	PALAEONTOLOGY	C8	UNIT 1: INTRODUCTION TO PALEONTOLOGY	3 hrs.	1 hr.
			UNIT 2: FOSSIL NOMENCLATURE AND TAXONOMY	3 hrs.	2 hrs.
			UNIT 3: VERTEBRATE FOSSILS	4 hrs.	2 hrs.
			UNIT 4: INVERTEBRATE FOSSILS	10 hrs.	2 hrs.
			UNIT 5: PALAEOBOTANY	3 hrs.	2 hrs.
			UNIT 6: APPLICATION OF FOSSILS	3 hrs.	1 hr.
6TH SEMESTER	ECONOMIC GEOLOGY, COAL AND PETROLEUM	C13	UNIT 1: INTRODUCTION TO ECONOMIC GEOLOGY	2 hrs.	1 hrs.
			UNIT 2: ORE GENESIS	7 hrs.	3 hrs.
			UNIT 3: MINERAL EXPLORATION	4 hrs.	2 hrs.
			UNIT 4: METALLIC AND NON-METALLIC ORES	4 hrs.	2 hrs.
			UNIT 5: COAL	4 hrs.	1 hr.
			UNIT 6: PETROLEUM	4 hrs.	2 hrs.

UNIT WISE TIME PLANNING (PRACTICALS)

(EVEN SEMESTER 2022)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD
2 ND SEMESTER	PALEONTOLOGY	GE2	PR.1: STUDY OF MODE OF PRESERVATION OF FOSSILS PR.2: STUDY OF DIAGNOSTIC MORPHOLOGICAL CHARACTERS, SYSTEMATIC POSITION & STRATIGRAPHIC AGE OF FOSSILS	24 HOURS
4 TH SEMESTER	PALEONTOLOGY	C8	PR.1: STUDY OF FOSSILS SHOWING VARIOUS MODES OF PRESERVATION PR.2: STUDY OF DIAGONESTIC MORPHOLOGICAL CHARACTERS, SYSTEMATIC POSITIONS, STRATIGRAPHIC POSITIONS AND AGE OF VARIOUS INVERTEBRATE, VERTEBRATE AND PLANT FOSSILS	24 HOURS
6 TH SEMESTER	ECONOMIC GEOLOGY, COAL AND PETROLEUM	C13	PR.1: MEGASCOPIIC IDENTIFICATION OF ECONOMIC MINERALS PR.2: STUDY OF MICROSCOPIC PROPERTIES OF ORE MINERALS /RESERVOIR ROCKS LIKE/SOURCE ROCK SLIDES PR.3: ORE RESERVE ESTIMATION BY USING EXTENDED, INCLUDED AND CHANNEL METHOD OF ESTIMATION PR.4: PREPARATIONS OF MAPS: DISTRIBUTION OF IMPROTANT ORES AND OTHER ECONOMIC MINERALS IN INDIA	24 HOURS


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TEACHING PLAN OF
DR. CHIRANTAN BHAGAWATI

Odd Semester, 2021

(Session 2021-2022)

As per recommendation of DMC meeting dated 27th of July, 2021, the following teaching plan has been adopted for curriculum completion for the odd semester 2021.

Subject: Geology

Name of the Teacher: Dr. Chirantan Bhagawati

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)

(ODD SEMESTER 2021)


SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Lectures	Tutorials
1 ST SEM	EARTH SYSTEM SCIENCE	C1	UNIT 1: UNIVERSE AND SOLAR SYSTEM	4 hrs.	1 hr.
			UNIT 2: EARTH SYSTEM	8 hrs.	2 hrs.
			UNIT3: INTRODUCTION TO GEOLOGY	18 hrs.	2 hrs.
3 RD SEM	STRUCTURAL GEOLOGY & TECTONICS	GE3	UNIT 1: STRUCTURAL GEOLOGY	18 hrs.	2 hrs.
			UNIT2: TECTONICS	14 hrs.	1 hr.
5 TH SEM	SURVEYING AND ENGINEERING GEOLOGY	C11	UNIT 1: INTRODUCTION TO SURVEYING	3 hrs.	1 hr.
			UNIT 2: PLANE SURVEYING	4 hrs.	2 hrs.
			UNIT 3: LEVELING	4 hrs.	2 hrs.
			UNIT 4: INTRODUCTION TO ENGINEERING GEOLOGY	3 hrs.	1 hr.
			UNIT 5: GEOTECHNICAL IDEA ABOUT ENGINEERING STRUCTURES	3 hrs.	2 hrs.

UNIT WISE TIME PLANNING (PRACTICALS)

(ODD SEMESTER 2021)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION / WORK LOAD
1 ST SEMESTER	EARTH SYSTEM SCIENCE	C1	<p>PR. 1: STUDY OF MAJOR GEOMORPHIC FEATURES FROM PHYSIOGRAPHICAL MODELS</p> <p>PR. 2: STUDY OF TOPOGRAPHIC SHEETS/CONTOUR MAPS AND DESCRIPTION OF PHYSIOGRAPHY</p> <p>PR. 3: STUDY OF SOIL PROFILE OF ANY SPECIFIC AREA</p> <p>PR. 4: STUDY OF EARTHQUAKE AND VOLCANIC BELTS OF THE WORLD</p> <p>PR. 5: STUDY OF MAJOR OCEAN CURRENTS OF THE WORLD</p>	24 HOURS
3 RD SEMESTER	STRUCTURAL GEOLOGY & TECTONICS	GE3	<p>PR.1: STUDY OF STRUCTURAL MAPS</p> <p>PR.2: USE OF COMPASS</p> <p>PR.3: 3 POINTS PROBLEMS OF STRUCTURAL GEOLOGY</p> <p>PR.4: STEREO PROJECTIONS OF BEDS, FOLD, FAULT, LINEATION ETC.</p>	24 HOURS

5TH SEMETER	SURVEYING AND ENGINEERING GEOLOGY	C11	<p>PR.1: USE OF COMPASS FOR DETERMINING FORWARD , BACKWARD BEARING AND AZIMUTHS</p> <p>PR.2: USE OF GPS FOR DETERMINING LATITUDE , LONGITUDE AND ELEVATION VALUES</p> <p>PR.3: USE OF CHAIN, COMPASS AND PLANE TABLE FOR COMPUTATION OF AREA AND LAND</p> <p>PR.4: COMPUTATION OF RESERVOIR AREA , CATCHMENT AREA , RESERVOIR CAPACITY AND RESERVOIR LIFE</p> <p>PR.5: COMPUTATION OF RQD, RMR, AND 'Q'</p>	24 HOURS
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 Gurgaon College

TEACHING PLAN OF
DR. CHIRANTAN BHAGAWATI

Even Semester, 2022

(Session 2021-2022)

As per recommendation of DMC meeting dated 17th of January, 2022, the following teaching plan has been adopted for curriculum completion for the even semester 2022.

Subject: Geology

Name of the Teacher: Dr. Chirantan Bhagawati

Methods to be applied: Lectures on theory and practical aspects, implementation of skill development and analytical activities, interaction and discussion focusing on development of critical thinking.

Teaching Materials: Laptop/PC Projector, Green/White Board, Chalk Pencil, Duster, Book, Journal, Newspaper, Magazine, Periodicals.

UNIT WISE TIME PLANNING (THEORY)

(EVEN SEMESTER 2022)


SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD	
				Tutorial	Practical
2ND SEMESTER	STRUCTURAL GEOLOGY AND TECTONICS	C4	UNIT 1: GEOLOGICAL STRUCTURES AND TOPOGRAPHY	2 hrs.	Nil
			UNIT 2: STRESS AND STRAIN	4 hrs.	1 hr.
			UNIT 3: DEFORMATIONAL STRUCTURES	18 hrs.	2 hrs.
			UNIT 4: TECTONICS AND GEODYNAMICS	6 hrs.	2 hrs.
4TH SEMESTER	GEOMORPHOLOGY, REMOTE SENSING & GIS	GE4	UNIT 1: GEOMORPHOLOGY	19 hrs.	1 hr.
			UNIT 2: REMOTE SENSING	9 hrs.	1 hr.
			UNIT 3: GEOGRAPHIC INFORMATION SYSTEM	8 hrs.	2 hrs.
6TH SEMESTER	EARTH AND CLIMATE	DSE 4	UNIT 1: CLIMATE SYSTEM FORCING AND RESPONSE	4 hrs.	2 hrs.
			UNIT 2: HEAT BUDGET OF EARTH	4 hrs.	2 hrs.
			UNIT 3: ATMOSPHERE - HYDROSPHERE	4 hrs.	2 hrs.
			UNIT 4: RESPONSE OF BIOSPHER TO EARTH'S CLIMATE	4 hrs.	2 hrs.
			UNIT 5: ORBITAL CYCLICITY AND CLIMATE	4 hrs.	2 hrs.
			UNIT 6: MONSOON	1 hr.	1 hr.

UNIT WISE TIME PLANNING (PRACTICALS)

(EVEN SEMESTER 2022)

SEMESTER	SUBJECT	PAPER CODE	UNIT	DURATION/ WORK LOAD
2 ND SEMESTER	STRUCTURAL GEOLOGY AND TECTONICS	C4	<p>PR.1: USE OF CLINOMETER AND BRUNTON COMPASS FOR STRUCTURAL MEASUREMENTS</p> <p>PR.2: STUDY OF CONTOUR MAPS,STRUCTURAL MAPS AND SUB-SURFACE GRAPHICAL PROBLEMS</p> <p>PR.3: THREE POINT STRUCTURAL PROBLEM AND STRUCTURAL PROJECTIONS</p> <p>PR.4: RECONSTRUCTION OF STRUCTURE FROM GIVEN PROFILES</p>	24 HOURS
4 TH SEMESTER	GEOMORPHOLOGY, REMOTE SENSING & GIS	GE4	<p>PR.1: STUDY OF LANDFORMS FROM GIVEN GEOMORPHIC MODEL /IMAGE/MAP</p> <p>PR.2: INTERPRETATION OF AERIAL PHOTO/SATELLITE IMAGE</p>	24 HOURS
6 TH SEMESTER	EARTH AND CLIMATE	DSE 4	<p>PR.1: STUDY AND IDENTIFICATION OF GEOMORPHIC FEATURES FROM IMAGE /PHOTO /SATELLITE IMAGERY</p> <p>PR.2: STUDY AND IDENTIFICATION OF GEOMORPHIC FEATURES FROM GEOMORPHIC MODELS</p> <p>PR.3: STUDY AND IDENTIFICATION OF GEOMORPHIC</p>	24 HOURS

			FEATURES FROM CONTOUR MAPS PR.4: DRAWING A PROFILE AND DISCUSSION OF GEOMORPHIC FEATURES FROM TOPOGRAPHICAL MAPS	
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