

LORETO COLLEGE
SEMESTER ONE GEOGRAPHY MAJOR
TIME PLAN 2023

Name of the teacher: Dr. Sushma Sahai
Initials: SWS

Teaching Objective:

- To understand the nature of the atmosphere
- Comprehend the soil forming factors
- Understand plant adaptations
- To impart comprehensive knowledge of the various hazards
- Develop the skill to comprehend the classification and causes of the hazards
- To enable students to understand the complex hazards management issues
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

Semester One Geography Major Topic-wise Time Plan
COURSE: GEOG-H-CC-01-TH – PHYSICAL GEOGRAPHY

<i>Topics</i>	<i>Hours allotted</i>	<i>Topics (as per curriculum)</i>	<i>Teaching method</i>	<i>Learning outcome (output)</i>	<i>Assessment</i>
1.	4	Unit IV: Climatology 5. Nature, Composition and layering of the atmosphere	<ul style="list-style-type: none"> • Lecture method • Discussion/ Interactive method • Visual aids 	<ul style="list-style-type: none"> • Comprehend the concept of vulnerability • Understand the causative factors, consequences and management of earthquakes 	<ul style="list-style-type: none"> • Google forms
2	5	6. Circulation in the atmosphere: Planetary winds, jet streams, index cycle	<ul style="list-style-type: none"> • Lecture method • Discussion/ Interactive method • Visual aids 	<ul style="list-style-type: none"> • Comprehend the mechanism of landslide • Understand the dynamics of managing landslides 	<ul style="list-style-type: none"> • Tutorial • Quiz
3.	4.	Unit V: Soil Geography 7. Factors of soil formation	<ul style="list-style-type: none"> • Lecture method • Discussion/ Interactive method • Visual aids 	<ul style="list-style-type: none"> • Understand the dynamics of land subsidence • Plan management measures for controlling subsidence 	<ul style="list-style-type: none"> • Home assignments • Viva
4.	4	8. Evolution of an ideal soil profile	<ul style="list-style-type: none"> • Lecture method • Discussion/ 	<ul style="list-style-type: none"> • Equipped to Identify causes of tropical cyclone 	<ul style="list-style-type: none"> • Case study

			Interactive method • Visual aids	• Knowledge of the consequences and management	
5.	5	Unit VI: Biogeography 9. Plant adaptation and distribution in relation to water availability	• Lecture method • Discussion/ Interactive method • Visual aids	• Knowledge of various types of plants and their adaptability	• Quiz
6.	5	Unit VII: Geography of Hazards 10. Nature and classification of hazards and disasters in Indian context	• Visual aids • Discussion/ Interactive method	• Comprehend the difference between hazard and disaster • Understand the dynamics of various disasters	• Paper presentation

**LORETO COLLEGE
SEMESTER 1 MAJOR
TIME PLAN 2023**

Name of the teacher: Mrs Sabiha Sethwala
Initials: SS

Teaching Objectives:

- to help students to apply scales on different types of maps
- to enable students relate the exogenous processes to the internal structure
- to facilitate theoretical knowledge of landforms by fluvial processes to field examples.

<i>Topics</i>	<i>Hours allotted</i>	<i>Topics (as per curriculum)</i>	<i>Teaching method</i>	<i>Learning outcome (output)</i>	<i>Assessment</i>
CC-1/MD- TH Unit I: Cartography Unit -II Geo tectonics Unit - III Geomorphology	4	1. Maps: components and classification. 2. Map projections: classification, 3. properties and uses 1. Seismic waves, types, properties 2. internal structure of earth 1. Classification of weathering 2. Fluvial process 3. Fluvial landforms	Lecture method Discussion method Enquiry method Use of PPT and videos	<ul style="list-style-type: none"> • students acquire knowledge about the structures and the • processes operating on the earth's surface and the resultant landforms 	class tests MCQ /Objective worksheets puzzles, quiz home assignments exams
CC-01/MD- PR Physical Geography Lab	10	1. Construction of scales- Plain, Vernier 2. Identification of drainage and channel pattern	Demonstration method Problem solving method	<ul style="list-style-type: none"> • learn to construct scales, 	class tests home assignments exams
SEC		1. Design of primary survey 2. Sampling types 3. Preparation of questionnaires	Lecture method Discussion method Enquiry method	<ul style="list-style-type: none"> • learn different quantitative and qualitative methodologies for a research problem 	class tests home assignments exams

LORETO COLLEGE
TIME PLAN 2023-2024

Name of the teacher: DEBASREE SINHA

Initials: D.S

Teaching Objective:

- Provide an understanding of fundamental methods of data collection during fieldwork.
- Impart knowledge regarding the compilation, record, organization, and display of that data.
- Develop basic skills of methods used in physical geography.

1st Semester Major Course Topic-wise Time Plan

<i>Topics</i>	<i>Hours allotted</i>	<i>Topics (as per curriculum)</i>	<i>Teaching method</i>	<i>Learning outcome (output)</i>	<i>Assessment</i>
GEOG-H-SEC01- Th- (Theory) Methods in Geography		4. Data compilation into master table. 5. Computer-assisted field data entry; tabulation of data into frequency distribution tables 6. Statistical analysis of data: measures of central tendency and dispersion 7. Use of minor survey instruments: Brunton compass, distometer, smartphone levelling applications 8. Textural analysis of grains using sieves 9. Mapping and extraction of flooded areas from satellite images and digital elevation models 10. Mapping areal and linear extents of riverbank and	1. Lecture 2. Power point presentation	Students will be able to: 1. Organize, summarize, display data collected during field. 2. Perform basic statistical analysis on data. 3. Discern the utility of minor survey instruments. 4. Comprehend the significance of grain size in soil samples. 5. Appreciate the use of topographical maps in delineating flood affected areas, identifying river bank erosion & coastline changes.	1. Written class test

		coastline shift from Survey of India 1:50k maps and/or satellite images			
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