

CURRICULUM PLAN, 2025-2026

B.A. (Hons.)

Geography

Semester – II (NEP)

Name of the Teacher: Prof. Seema Sahdev

Paper Name: STATISTICAL METHODS IN GEOGRAPHY

Unit No.	Name of Topic	Tutorial/Assignment/ Presentation etc.	Allocation of Lectures	Assessment Tasks	Teaching and Learning Activity
1	Data in Geography: Sources of Data, Scales of Measurements in Geography, Tabulation, Frequency Distribution, Geographical Data Matrix.	<ul style="list-style-type: none"> • Sources of Data • Scales of Measurements in Geography • Tabulation • Frequency Distribution • Geographical Data Matrix. 	(20) 2ndJan -20th Feb 2026	Assignments, Hands-on Exercise, classroom test.	Classroom Lectures, Practical
2	Descriptive Statistics: Central Tendencies – Mean, Median, Mode; Measures of Partitions - Quartile, Decile, Percentile; Measures of Dispersion- Standard Deviation and Coefficient of Variation; Spatial Centro-graphic Techniques – Simple Mean Centre, Median Centre	<ul style="list-style-type: none"> • Mean, Median, Mode; • Quartile, Decile, Percentile; • Standard Deviation and Coefficient of Variation; • Simple Mean Centre, Median Centre 	(30) 21th Feb -20 th March 2026	Assignment s, Hands-on exercise, classroom test.	Classroom Lectures, Practical

3	Sampling Methods: Sampling (Simple Random, Systematic, and Stratified); and Non-probability sampling.	<ul style="list-style-type: none"> • Sampling (Simple Random, Systematic, and Stratified); • Non-probability sampling. 	(20) 21th March- 30 th March 2026	Assignmen ts, Hands-on exercise,	Classroom Lectures, Practical
4	Theoretical Distribution: Concept of Probability Distribution (Theoretical only), Normal Distribution – Characteristics, Area under Normal Curve.	<ul style="list-style-type: none"> • Concept of Probability Distribution (Theoretical only), • Normal Distribution – Characteristics , Area under Normal Curve. 	(10) 1st April – 8 th April 2026	Assignments , Hands-on exercise, classroom test.	Classroom Lectures, Practical
5	Relationship Analysis: Correlation - Spearman's and Karl Pearson's coefficient of correlation; Simple Regression.	<ul style="list-style-type: none"> • Correlation - Spearman's and Karl Pearson's coefficient of correlation; • Simple Regression. 	(20) 10th April - 17 th April 2026	Assignmen ts, Hands- on exercise, classroom test,	Classroom Lectures, Practical