

Department of Geography

SEMESTER-IV

BGEOSERT404-SEC 2-Research Methodology and Field Work

Course Objectives:

- *This is an initiative to develop the basic concept of research and types of research.*
- *From the course students can learn the procedure of research work.*
- *To understand the field technique to students so that they can apply it to solve the geographical problems in the field.*
- *To know about the methods of sampling and framing reliable and structure questionnaire and schedules.*
- *To understand about the ethics of research.*

Course Outcomes:

- *Students shall know about different types of research.*
- *They can develop the ideas about how identification of research problems and construct hypothesis.*
- *The course will be capable to develop skill on report and thesis writing.*
- *The course will be provided interesting among the students regarding research work in future study.*

Unit 1: Research Methodology

1. Research in Geography: Meaning, types and significance
2. Literature review and formulation of research design
3. Defining research problem, objectives and hypothesis. Research materials and methods
4. Techniques of writing scientific reports: Preparing notes, references, bibliography, abstract and keywords

Unit 2: Field Work

1. Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork
2. Field techniques and tools: Observation (participant, non participant), questionnaires (open, closed, structured, non-structured). Interview with special reference to focused group discussions.
3. Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording.
4. Positioning and collection of samples. Preparation of inventory from field data. Post-field tasks.

List of Practical

1. Each student will prepare an individual report based on primary data collected from field survey and secondary data collected from different sources for either a rural area (mouza) or an urban area (municipal ward) based on cadastral or municipal maps to study specific problems.
2. The duration of the field work shall not exceed 7 days.
3. The report should be hand written in English on A4 size paper in candidate's own words within 3,000 to 5,000 words excluding figures, tables, photographs, maps, references and appendices
4. A copy of the bound report, duly signed by the concerned teacher, should be submitted.