

DISCIPLINE SPECIFIC (CORE) COURSE

Semester-VI

HSC620C1: RESEARCH METHODOLOGY

(CREDITS: THEORY-4, PRACTICAL-2)

THEORY (4 CREDITS)

Unit I: Research- Meaning, purpose and approaches

- Exploration, Description, Explanation
- Scientific method and research
- Research Designs –Experimental and Observational
- Quantitative and Qualitative approaches

Unit II: Conceptualization and Measurement

- Variables, concepts and measurement
- Levels of measurement
- Units of analysis

Unit III: Sampling & Tools

- Role of sampling in research
- Types of sampling

Research Tools and Techniques

- Validity and reliability
- Interviewing and observational methods

Unit IV: The Research Process

- Defining the problem, research questions, objectives, hypotheses
- Review of related literature and originality in writing
- Planning the research
- Subjects context and ethics
- Methodology and tools
- Citation formats: in medical sciences, social sciences

PRACTICAL

1. Exercise in sampling, random number table.
2. Exercise in designing tools and their analysis: interview, questionnaire.
3. Data collection process: conducting interviews, FGDs, case studies

RECOMMENDED READINGS

- Kumar, R. (2005) Research Methodology: A Step by Step Guide for Beginners. Sage Publications, New Delhi.
- Kerlinger F. N. and Lee, H.B. (2000) Foundations of Behavioural Research 4th Ed. Harcourt College Publishers
- Kothari, C. R. (2008) Research Methodology: Methods and Techniques 2nd Ed. New Age International Pvt Ltd, New Delhi.
- Black, J.A. & Champion, D. J. (1976) Methods and Issues in Social Research. New York: John Wiley and Sons.