

THE ISLAMIA UNIVERSITY OF BAHAWALPUR
DEPARTMENT OF LIBRARY & INFORMATION SCIENCES

COURSE OUTLINE

SPRING SEMESTER 2020

Course Title: Research Methodology
Class: (BS-LIS 5th)
Credit Hours: 3

Instructor: DR. SHAKEEL AHMAD KHAN
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COURSE DESCRIPTION & OBJECTIVES

Course Description:

1. Meanings & Definitions of a Research
2. Research process and qualities of a good research
3. Various concepts in research
4. Sampling techniques in research
5. Data collection tools, analysis
6. Use of statistics in research
7. Research ethics
8. Writing research proposal
9. Report writing etc.

Objectives:

To educate the students in understanding the various types of research and research process from identification of a research problem to the report writing.

Recommended Readings

1. Connaway, S.L, Powell, R.R. (2010). Basic Research Methods for Librarians. Libraries Unlimited: Oxford.
2. Creswell, J. W. (2014). A Concise Introduction to Mixed Methods Research. SAGE Publishing.
3. Creswell, J. W. (2013). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. 4th Edition. SAGE Publications.

Description of Topics

| Session No. | Topics in Each Session | |
|-------------|--|--|
| 1 | Meaning & Definition of Research: Characteristics of a Good Research | |
| 2 | Why Research is Conducted? Solution of a Problem Fill the Gape in Literature Find New Knowledge Creativity & New Development | |
| 3 | Research Pitfalls: Self-Enlightenment Comparing Data set Co-relating Data set Problem with Yes & No... | |
| 4 | Understanding Research Process Step by Step Guidelines | |
| 5 | Understanding the: Research Objectives, Research Questions Hypothesis, Theory, | |
| 6 | Description of: Universe, Population, Target Population, Theoretical/Conceptual Framework, | |
| 7 | What is Research Problem? Various Sources to Identify Research Problem How to write Research Problem? | |
| 8 | Understanding Review of Literature Purpose of Literature Review Sources to Identify Scholarly Literature, Benefits of Literature Review | |
| 9 | Definition of Quantitative and Qualitative Research Understanding the Differences | |
| | Mid Term Exam | |
| 10 | Characteristics of Quantitative Research Characteristics of Qualitative Research | |
| 11 | Data Collection Tools: Questionnaire Interview Observation | |
| 12 | Sampling in Research: Probability & Non-Probability Sampling Types of Probability Sampling & Non-Probability Sampling | |
| 13 | Level of Measurements: Nominal level, Rank Order, Ordinal level, Ratio level | |

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| 14 | Data Analysis: Level of Measurement Analyzing Quantitative Data (Frequency, Percentage, Descriptive Statistics, Inferential Statistics) Analyzing Qualitative Data | |
| 15 | Understanding Research Ethics Research Ethics in Research Process | |
| 16 | Computer Application in Research: Use of MS Word to Develop and Manage Research Work Use of Reference Management Software | |
| 17 | Important Components of Research Proposal What is Research Proposal? Important Components | |
| 18 | Report Writing in Research & Evaluation of Research work | |
| | Final Term Exam | |

Sessional: 20 Marks