



The Islamia University Of Bahawalpur,

BAHAWALNAGAR CAMPUS DEPARTMENT OF APPLIED PSYCHOLOGY BS 5th Semester (M) Research Methods-I

Instructor Dr. Rafaquat Ali
Class days Monday and Thursday

Class Room 4
Class Timing: 12:00 Noon TO 01:30 PM (Monday)
10:30 AM TO 12:00 PM (Thursday)

Course Outline

Course Objective:

The objectives of this course are following:

- To understand the concept of research and its basic elements.
- To comprehend the different research methods applicable in Psychology.
- To realize the ethics, and expertise of a researcher in the field of psychology.
- To understand the data analysis techniques in the quantitative and qualitative research approaches.

Teaching Methodology:

- The class will be conducted in a lecture & discussion environment where the class Instructor will lead the discussions, and students will be encouraged to participate and ask questions at the end of each class session.
- Students will be expected to read assignments in advance. This will be tested through quizzes, which may proceed any class session.

Text Books/ Reading Material:

- Research In Psychology: Methods and Design by C. James Goodwin
- Introducing Research and Data in Psychology: A Guide to Methods and Analysis by Ann Searle
- Educational research : competencies for analysis and applications by Lorraine, R. Gay

Course Contents:

| Weeks | Sessions | Topics |
|-------|----------|--|
| 1 | 1 | Definition and concept of Research |
| | 2 | Scientific Method |
| 2 | 3 | Steps of Research Method |
| | 4 | Types of Research and Variables |
| 3 | 5 | Scales of Measurement |
| | 6 | Population and Sample |
| 4 | 7 | Ethics of Research |
| | 8 | Review of Literature |
| 5 | 9 | Selecting and Defining Research Problem |
| | 10 | Preparing and Evaluating a Research Plan |
| 6 | 11 | Practical Issues related to sampling |
| | 12 | Types of Instruments |
| 7 | 13 | Validity and Reliability of Instruments |
| | 14 | Survey Research |
| 8 | 15 | Correlational Research |
| | 16 | Causal-comparative Research |

MID TERM

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|----|----|--------------------------------------|
| 9 | 17 | Experimental Research |
| | 18 | Single Subject Experimental Research |
| 10 | 19 | Quantitative Data Analysis |
| | 20 | Descriptive Statistics |
| 11 | 21 | Measures of Central Tendency |
| | 22 | Measures of Variability |
| 12 | 23 | Graphing Data |
| | 24 | Inferential Statistics |
| 13 | 25 | Hypothesis Testing |
| | 26 | Introduction to SPSS |
| 14 | 27 | Introduction to SPSS examples |
| | 28 | Qualitative Research Methods |
| 15 | 29 | Qualitative Data Collection |
| | 30 | Qualitative Data Analysis |
| 16 | 31 | Mixed Methods |
| | 32 | Mixed Methods Designs |

FINAL TERM

Testing and Grading:

1. Learning will be accomplished through lecture, class exercises and student participation in the class discussion and presentations.
2. Grading will tend to focus on your overall performance rather than one or two aspects. A mid term examination and a comprehensive final examination will be given.
3. Another portion of the course grade will include the discussion/attendance grade, quizzes, and other assignments.
4. The mid-term examination will be graded for 30 points and the final examination will have a value of 50 points.
5. Excessive absences(more than 03) will result in "F Grade"
6. Test Questions may be taken from text book readings, hypertext material discussed in class and other assigned readings.
7. Students may prepare notebooks for taking notes and for references.

Marks Distribution:

| | |
|------------|-----------|
| Sessional | 20 |
| Mid Term | 30 |
| Final Exam | <u>50</u> |
| Total | 100 |

Please Note:

In the unlikely event of an unplanned absence by the instructor, the material to have been covered during that class meeting will be shifted to the next meeting. If a test/presentation was scheduled for that class meeting that will be given during the next class meeting. In the event of any necessary planned absences, information on schedule changes will be provided in advance.