

**Course Title : Research Methods I**

**Course Code : PSY-802**

**Credit Hours : 2**

**Course Description:**

1. In this course students will learn about various approaches to psychological research with primary focus either on quantitative or qualitative Research. Students will learn about key elements necessary to design a research project, the process of conducting research including data collection, data analysis and interpretation, and report writing.

2. **Objectives:**

- a. To provide an overview of basic tenets and philosophy of scientific inquiry and scientific paradigms.
- b. To understand and apply quantitative/qualitative research techniques such as development of research question, participant selection, data collection procedures, and data analysis and interpretation.
- c. To develop research skills by conducting a mini research project using quantitative/qualitative research method and write a research report.
- d. To develop awareness and understanding of ethical issues in psychological research.

**Learning Outcomes:**

3. By the end of the semester students will be able to:
  - a. Identify and understand different research paradigms and methods of inquiry
  - b. Develop research questions, and choose appropriate research design that is a good fit for the research question.
  - c. Formulate and conduct quantitative/qualitative research and write a research report

4. **Course Content**

- a. Importance of research in Clinical Psychology
- b. Historical Overview of Research
- c. Research Paradigms
- d. Distinguishing between Quantitative and Qualitative Research
- e. Developing Research Questions
- f. Research Designs

- g. Data Collection methods
- h. Data Analysis and Interpretation
- i. Elements of Research Report Writing

### **Reference Books**

1. American Psychological Association (APA). (2012). Publication Manual of the American Psychological Association (6<sup>th</sup> Ed).
2. Goodwin, C. J. (2011). Research in psychology: Methods and design. (3<sup>rd</sup>ed.). New York: John Wiley & Sons. ISBN 978-0-470-52278-3
3. Heiman, G.(2001).Understanding Research Methods and Statistics: An Integrated Introduction for Psychology. 2<sup>nd</sup> edition. Cengage Learning.
4. Creswell, W. J. (2012). Qualitative Inquiry and Research Design: Choosing among Five Approaches. (3<sup>rd</sup> Edition) Thousand Oaks: Sage Publications.
5. Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2005). Research methods in psychology. (5th ed.). Singapore: McGraw-Hill.