AMITY UNIVERSITY
UTTAR PRADESH

Course Title: ADVANCED RESEARCH METHODOLOGY IN PSYCHOLOGY
Course Code: PSYC620
Credit Units: 3
Course Level:M.Phil

L	T	P/ S	SW/F W	TOTAL CREDIT UNITS
2	1	0	0	3

Course Objectives:
a) To introduce the principles of Research Methodology and apply research methods in psychology.
b) To discuss in-detail the design, sampling, data collection and report writing
c) To equip students with skills of various methods and techniques for scientific conduct of research in psychology

Pre-requisites: Nil

Course Contents/Syllabus:

	Weightage (%)
Module I: An Overview to Research Methodology	**20**
Descriptors/Topics • Meaning of Scientific research • Feature of good scientific research • Types of research • Comparison of scientific and non scientific methods • Research Methods and Research Methodology • Basic steps in using SPSS for research analysis	
Module II: Sampling	**20**
Descriptors/Topics • Random and non-random samples. • Various methods of sampling - Simple random, stratified, systematic, cluster and multistage sampling. • Sampling and non-sampling errors and methods of minimizing these errors	
Module III: Basics of testing of hypothesis:	

Descriptors/Topics • Null hypothesis & alternate hypothesis, • Type I and type II errors • Level of significance, power of the test, p-value. • Concept of standard error and confidence interval.	**20**
Module IV: Experimental design	20
Descriptors/Topics • Randomization, Replication, • Completely randomized design, • Randomized block design, • Factorial design, Crossover design.	
Module V: Analysis of Data	**20**
Descriptors/Topics • Content Analysis, Thematic Analysis and other Qualitative Methods • Theoretical concepts of Parametric & Non-Parametric analysis • Methods of Quantitative Analysis	

Student Learning Outcomes:

- Analyze & comprehend research and its application.
- Design and Develop the strategy, to conduct research.
- Comprehend the inter relation between parameters under study.
- Develop insight into procedural scientific steps of conducting a research.

Pedagogy for Course Delivery: The class will be taught using theory and discussion method. In addition to assigning the research papers to be reviewed to understand the application of Research methodology, the course instructor will also discuss projects so as to give a better insight. The instructor will cover the ways innovative & current strategies to conduct and analyze research.

Assessment/ Examination Scheme:

Theory L/T (%)	Lab/Practical/Studio (%)	End Term Examination
30	**NA**	**70**

Theory Assessment (L&T):

Continuous Assessment/Internal Assessment					End Term Examination
Components (Drop down)	Class test	Project	Home Assignment	Attendance	
Weightage (%)	10	10	5	5	70

Text:

- Kerlinger F.N; (2004), Foundations of Behavioral Research, 8th print
- A.K Singh (2004), Tests, measurement and research methods in behavioral sciences, Bharti Bhawan, Patna
- Nunnally, I.C (1967) Psychometric Theory; McGraw-Hill. N.Y