**Shyama Prasad Mukherji College**

**Teaching Plan**

**Course and Year: Applied psychology Ist year (21-22)**

**Semester: II**

**Taught individually or shared: Shared**

**Paper: Research Methodology & Data Processing in Psychology- II**

**Faculty: Dr. Suruchi Bhatia**

**No. of Classes** (per week)**: 2(L)+2(T)**

**Programme Objective:** The LOCF approach aims to provide a focused, outcome-based syllabus at the undergraduate level with an agenda to structure the teaching-learning experiences in a more student-centric manner. The LOCF approach has been implemented to strengthen students’ experiences.

B.A.(Hons)Applied Psychology clearly elaborates its nature and promises the outcomes that are to be accomplished by studying the courses. The programmes also state the attributes that it offers to be inculcated at the graduation level. The graduate attributes encompass values related to well-being, emotional stability, critical thinking, social justice and also skills for employability. In short, this programme prepares students for sustainability and life-long learning.

**Course objective:**  Knowing how to develop scales to measure psychological attributes,

● Learning basic techniques of inferential statistics to testing the hypothesis and taking statistical decisions.

**Teaching Plan**

**Resource list**

**Unit 2: Sampling technique and Scale construction**

Singh, A.K. (2009). *Tests, Measurements and Research Methods in Behavioural Sciences.* Bharati Bhawan, New Delhi.

Chadha , N.K. (1996). Theory and Practice of Psychometry. New Delhi: New Age International Limited.

<https://www.researchgate.net/publication/319998246_Sampling_Methods_in_Research_Methodology_How_to_Choose_a_Sampling_Technique_for_Research>

<https://uca.edu/psychology/files/2013/08/Ch7-Sampling-Techniques.pdf>

**Unit 4: Hypothesis Testing:**

Dyer, C. (2001). Research in Psychology: A Practical Guide to Research Methodology and Statistics (2nd ed.). Oxford: Blackwell Publishers.

Singh, A.K. (2009). *Tests, Measurements and Research Methods in Behavioural Sciences.* Bharati Bhawan, New Delhi.

Newman, W. L. (2008). Social research methods: Qualitative and quantitative approaches. New Delhi: Pearson Education.

<https://www.researchgate.net/publication/343444322_Hypothesis_Types_and_Research>

<https://www.sagepub.com/sites/default/files/upm-binaries/40007_Chapter8.pdf>

**No of classes required to complete the unit (approx.):**

1. Unit II: 19
2. Unit II: 18

**Sub topics to be covered and their order along with the respective time frames (if any)**

**Unit 2:** Sampling technique and Scale construction 1st week of April

Sampling Techniques:

Probability and nonprobability sampling techniques: 19- 3 Apirl 2nd week of April

Scale Construction: 9-17 2nd week of May

**Unit 4:** Hypothesis Testing: More than two groups (ANOVA): Assumptions 1st week of June

and calculation of one-way and two-way ANOVA;

Comparison of t and F. 3rd week of June

Chi-Square: Chi-Square as a Measure of Discrepancy between Expected and

Observed Frequencies: assumptions and calculation. Parametric and 5th week of June

Non-Parametric Statistics: Characteristics and differences

**Methodology of Teaching: Hybrid**

**Virtual classroom link-** [**https://classroom.google.com/u/2/c/NDg0OTk0ODIyNTE2**](https://classroom.google.com/u/2/c/NDg0OTk0ODIyNTE2)

**Links**

* Laboratory visit for understanding various types of psychological Scales and their properties

**ASSESSMENT**

**Tentative date of assessments/ assignments (time frame)**

Unit 2: Oral presentations (till 30th April 2022)

Unit 4 : Test (till 30 June 2022)

**Criteria of Assessment:**

* Quality of Content
* Knowledge
* Presentation
* Class participation
* Regularity