

CHILDREN'S UNIVERSITY COURSE TEMPLATE

1. Academic Learning Compact/Academic Learning Plan (ALC/ALP)

Course Title : Statistics in Psychology - II	
Course Code: MAPSYCC-203	No. of Credits: 04
Department/Discipline: Psychology	Faculty: 01
Learning Hours: 60 Lect./Lab./Tuto./Gr.Study/Pri.Study	
Student Quota : 35	
Course Type : Core Core/Elective/Foundation/ Generic	
Offered in Academic Year: 2018-19	Even Semester: II

2. Course Objectives

1. To acquaint with different Statistical Tests and Techniques.
2. To develop an understanding of various statistical techniques in terms of their assumptions, application and limitation.
3. To train them to decide and use the appropriate statistical tests in different types of psychological research.

3. Course Content

Unit	Topics	Content/ Fundamental Concepts	Unit wise SLO
1.	Chi-Square	1.1 Equal Distribution 1.2 Contingency Co-efficient 1.3 Chi-Square Test in independence in Contingency table 1.4 Normal Distribution	Students will Learn about Chi-Square. Know about normal distribution.

Unit	Topics	Content/ Fundamental Concepts	Unit wise SLO
2.	Analysis of Variance (ANOVA)	2.1 Introduction 2.2 One Way Analysis of Variance 2.3 Two Way Analysis of Variance	Students will know about how to use in statistics of Analysis of Variance (ANOVA).
3.	'Tau' test and W' test	3.1 Kendall ranking correction – 'Tau' test 3.2 Long way and Short way to count of 'Tau' test 3.3 Tied Observation 3.4 Kendall Coefficient of concordance – 'W' test	Calculate 'Tau' test and W' test.
4.	Others non parametric techniques	4.1 Sign Test 4.2 Wilcoxon Test 4.3 Mann Whitney U – Test	Student will know about Sign Test and Wilcoxon Test.

4. Course Teaching & Learning Activities

Lectures (hrs) In/out of Class	Interactive Tutorial (hrs) In/Out	Laboratory (hrs)	Case Discussion (hrs)	Field Trip (hrs)	Projects (hrs)	Web Based Learning (hrs)	Others (hrs)
45	03	NA	03	03	03	03	--
M	O	NA	O	O	O	O	

M- Mandatory Activity for the course, O-optional Activity, NA-not applicable

5. Assessment Schemes (including rationale)

Task	Time	Description	Weight
1. Group Projects & Seminar Presentation	-	-	05
2. Assignments	-	-	
3. Internal Exam	-	-	
4. Final Exams	-	-	05
			20
			70

6. Course Schedule

Class/Week	Date	Topic	Requirements
01 to 04	December	Unit-I	Appeared in semester- II
05 to 08	January	Unit-II	
09 to 12	February	Unit-III	
13 to 15	March- April	Unit-IV	

7. Recommended learning Resources

1. Handouts
2. Textbooks/e books
3. Reference books
4. Online Resources
5. Question Bank

8. Reference Books

1. Aron, Author ,Aron,E.N. and coups E.J.(2007)Statistics for psychology New Delhi: person Education
2. Prof. C.B. Dave and others (1998): Experimental Psychology Theory and Statistics Viral Prakashan – A ‘bad.
3. Suresh. C. Parekh (1995) Statistical Testing in Psychological&S.K.Dixit Research ChampaPrakashan, Junagadh

4. Downie and Heath: Basic statistical Method Siegels (1994) : Non Parametric statistics for Behaviour science second edition new yorkMcgraw Hill Book co.
5. S.C.parekh (1998) Non Parametric statistics ChampaPrakashan, Junagadh
6. M.D.Trivedi & B.U.Parekh (1989): statistics in Education ,GranthNirman Board Ahmadabad