

CHILDREN'S UNIVERSITY COURSE TEMPLATE

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

Course Title : Statistics in Psychology - I	
Course Code: MAPSYCC-103	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	Odd Semester: I

2. Course Objectives

<ol style="list-style-type: none">1. To develop an understanding of various statistical techniques in terms of their assumptions, application and limitation.2. To develop and understanding of elementary statistics used in Psychology.
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3. Course Content

Unit	Topics	Content/ Fundamental Concepts	Unit wise SLO
1.	Introduction to Statistics, Data Classification and Central Tendency	1.1 Meaning , Utility and Technical terms of Statistics 1.2 Classification of numerical data 1.3 Common rules for drawing graphs 1.4 Mean, Median and Mode	Students will learn the technical Terms of Statistics. Students know about Mean, Mode and Mode.

2.	Measures of Deviation	2.1 Introduction 2.2 Range, Quartile Deviation and Mean Deviation 2.3 Standard Deviation	Students will know about Standard Deviation.
3.	Correlation Score	3.1 Introduction of Correlation 3.2 Meaning and Types of Correlation 3.3 Utility and Limitation of Correlation 3.4 Pearson's Correlation Techniques 3.5 Gains Correlation Techniques	Students will Learn about Meaning, Types, Utility and Limitation of Correlation. Learn about Pearson's Correlation Techniques.
4.	't' Test	4.1 't' Test Meaning and Uses 4.2 Steps of 't' Test for Significance of Mean differences 4.3 Computation of 't' value for Independent sample 4.4 Computation of 't' value for dependent sample	Students learn about 't' 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	-	-	05
3. Internal Exam	-	-	20
4. Final Exams	-	-	70

6. Course Schedule

Class/Week	Date	Topic	Requirements
01 to 04	July	Unit-I	Appeared in semester- I
05 to 08	August	Unit-II	
09 to 12	September	Unit-III	
13 to 15	October	Unit-IV	

7. Recommended learning Resources

1. Handouts
2. Textbooks/e books
3. Reference books
4. On Line 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 Champa Prakashan, Junagadh
4. Downie and Heath : Basic statistical Method Siegels (1994) : Non Parametric statistics for Behaviour science second edition new york Mcgraw Hill Book co.
5. S.C.parekh (1998) Non Parametric statistics Champa Prakashan, Junagadh
6. M.D.Trivedi & B.U.Parekh (1989): statistics in Education , Granth Nirman Board Ahmedabad