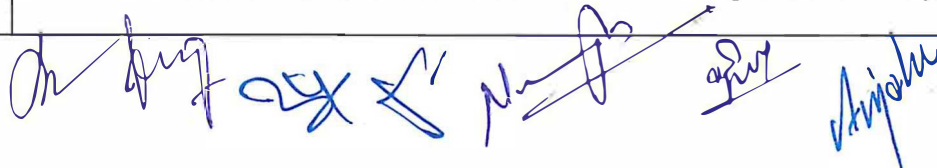


**For 4
Credits**

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
Department of Anthropology
Course Curriculum

PART-A: Introduction			
Program: Bachelor in Science/Arts (Honors/Honors with Research)		Semester- VIII	Session: 2024-2025
1	Course Code	ANSE-09	
2	Course Title	BIO-STATISTICS AND COMPUTER APPLICATION	
3	Course Type	DSE	
4	Pre-requisite (if, any)	As per program	
5	Course Learning Outcomes (CLO)	*The students will able to understand the appropriate methodology and choose statistical tools for data analysis according to problems/objectives in the field of Anthropology. *Students will gain essential skills in statistical analysis. * They will learn to formulate hypothesis, testing, regression and modelling. *They will learn about Vital statistics for population studies. *The student will understand about the fundamentals of computer literacy, proficiency in using common software tools, internet research, and the application of data analysis in the context of anthropological studies.	
6	Credit Value	4 Credits	Credit = 15 Hours -learning & Observation
7	Total Marks	Max.Marks: 100	Min Passing Marks: 40
PART -B: Content of the Course			
Total No.of Teaching-learning Periods(01 Hr. per period) – 60 Periods (60 Hours)			
Unit	Topics (Course contents)		No.of Period
I	Measures of Dispersion: Dispersion, Range, Standard Deviation, Standard Errors, Skewness and Kurtosis. Correlation: Simple correlation, Karl Pearson's Coefficient of Correlation.		I
II	Test of Significance: Non- parametric Tests: Chi-square test. Parametric Test: t-test. Regression analysis		II
III	Population Study: Vital Statistics. Fertility and Fertility rates. Mortality and Mortality rates. Morbidity and Morbidity rates Migration and Migration rates.		III
IV	Introduction to Computer: History & Types of Computers. Computer hardware and software. MS Office: 1. MS-Word 2. MS-Excel 3.MS-Power Point Internet: Use of Internet and computer in Anthropological Research. Data Analysis Software: SPSS 16.0, MS-Excel.		IV
Key words	Statistic in Research, Vital Statistics, Fundamentals of Computer, Data analysis		



PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Gupta, S.P., Statistical Methods.
2. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
3. Summar, M., Computers: Concepts and Uses.
4. Wardlaw, A.C., Practical Statisticals for experimental biologists.
5. Zar, J.H., Bio statistical Analysis.
6. Elhance, D. N., Practical Problems in Statistics, Kitab Mahal, Allahabad.
7. Sarin, S.S. and Balchandani, M.K., Fundamentals of Statistics. Ratan Prakashan Mandir, Agra.
8. Fernandes & Tondon, Participatory Research.
9. Fisher, Michael., Application in Computing for Social Anthropologists, London, Routledge.
10. H. Russel. Bernard, Handbook of Methods in Cultural Anthropology, Altamira Press.
11. Kaplan, Abraham, The Conduct of Enquiry: Methodology for Behavioural Sciences.
12. Madrigal, Lorena, Statistics for Anthropology.
13. Pradhan, Ashok, Janjatiya Janankiki

Online Resources–

- <https://egyankosh.ac.in/>
- <https://epgp.inflibnet.ac.in/>

PART-D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment(CIA):30 Marks

End Semester Exam(ESE): 70 Marks

Continuous Internal Assessment(CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 &20	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
	Assignment/Seminar- 10 Total Marks - 30	
End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark ; Q2. Short answer type- 5x4 =20Marks Section B: Descriptive answer type qts., 1out of 2 from each unit- 4x10=40Marks	

Name and Signature of Convener & Members of CBoS:

