

SARDAR PATEL UNIVERSITY
Programme & Subject: Bachelor of Education (Advanced)
Semester: II
Syllabus with Effect from: June-2010

Paper Code: UE02CBEA16	Total Credit: 3
Title Of Paper: Methodology of Teaching Statistics	

Unit	Description in Detail	Weightage (%)
I	Measurements and Evaluation Evaluation: concept and types Textbook review of different School Boards Open Book Examination Action Research : Data Analysis through statistical techniques	30%
II	Tools and Techniques of Data Analysis Statistical tools in education Techniques of analyzing data: Percentage Analysis, Chi square, Content Analysis Educational Statistics: challenges and opportunities Basics of MS Excel and its uses	30%
III	Statistics: Content As per prescribed syllabi of Central Board of Secondary Education and Gujarat State Education Board of standard VIII, IX and X.	40%
Practicum		
	Data Analysis and Graphical Representation of Action Research Review of different Boards Textbooks Designing Educational Tools and Analysis	

Basic Texts & Reference Books:-

- Ediger M. O. (2006). Teaching Mathematics successfully, Discovery Publishing House, New Delhi.
- GSEB and NCERT textbooks of STD VII, IX and X.
- Mangal S.K.(2005). Statistics in psychology 2nd Edition .New Delhi: Prentice Hall of India Pvt.Ltd
- Pandey V. P. (2004). Teaching of Mathematics, Sumit Enterprises, New Delhi.
- Russel J. (2004). Teaching of Mathematics, Campus Books International, New Delhi.
- Sidhu K.S. (2005). Teaching of Mathematics, Sterling Publishers, Private Limited, New Delhi.
- http://www.kkhsou.in/main/education/edu_statistics.html
- http://en.wikipedia.org/wiki/Statistics_education
- <https://www.stat.auckland.ac.nz/~iase/publications/assessbk/chapter01.pdf>
- <http://www.amstat.org/publications/jse/v10n3/rumsey2.html>