

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

Paper Code: UE01CBEA16	Total Credit: 3
Title Of Paper: Methodology of Teaching Statistics	

Unit	Description in Detail	Weightage (%)
I	Introduction to Educational Statistics Educational statistics: concept and significance Relationship between education and statistics Objectives of teaching statistics in education Bloom's taxonomy of Education in teaching educational statistics	30%
II	Pedagogical Aspects in Teaching Statistics Methods and Techniques of teaching Statistics in Education Computer simulation Inductive - deductive method Analytic -synthetic method Project method Drill and Practice Minute papers First Class Meeting Approaches to teaching Statistics in education Constructivism Participatory Difference between Lesson Planning and Unit Planning Material Production : Teaching Aids, Tasks and Activities	30%
III	Statistics: Content As per prescribed syllabi of Central Board of Secondary Education and Gujarat State Education Board of standard VII, IX and X.	40%
Practicum		
	Basics of MS Excel Material Production	

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>