



# C. U. SHAH UNIVERSITY, Wadhwan City



## FACULTY OF COMMERCE BACHELOR OF COMMERCE

SEMESTER III (Three)

CODE 4CO03STA1

Name of Subject Statistics - I

### Teaching & Evaluation Scheme

Teaching Scheme(Hours)				Evaluation Scheme(Marks)		
Theory	Tutorial	Practical	Total	Sessional	University	Total
4	0	0	4	30	70	100

**Objective** To similar the students with various statistics tool and their application in the decision making in business

**Prerequisite** Only Basic Knowledge is required

### Course outline

Sr. No.	Course Contents	Number of Hours
1	<b>Linear Correlation</b> <ul style="list-style-type: none"> <li>• Definition of variable,</li> <li>• Types of Correlation,</li> <li>• Properties of Correlation coefficient</li> <li>• Methods of Correlation : Scatter method, Karl Pearson’s method, Spearman’s Method</li> <li>• Examples.</li> </ul>	10
2	<b>Linear Regression</b> <ul style="list-style-type: none"> <li>• Meaning of Defintion of regression</li> <li>• Definition OF REGRESSION Co-efficient</li> <li>• Properties of Regression</li> <li>• Two lines of Regression</li> <li>• Sums</li> </ul>	10
3	<b>Probability</b> <ul style="list-style-type: none"> <li>• Concept of Probability</li> <li>• Mathematical &amp; Statistical Definition of Probability</li> <li>• Different terms of Probability</li> <li>• Conditional &amp; Addition law</li> <li>• Examples.</li> </ul>	10



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4	<b>Probability Distribution – I</b> <ul style="list-style-type: none"><li>• Concept of Descript Random Variable &amp; continuous Variable .</li><li>• Mathematical Exception of Discrete random Variable.</li><li>• Example</li></ul>	5
5	<b>Probability Distribution -2</b> <ul style="list-style-type: none"><li>• Mean &amp; Variance of Discrete Probability Distribution</li><li>• Properties &amp; Application of Binomial without proof</li><li>• Examples.</li></ul>	10
<b>Total Hours</b>		45

### Learning Outcomes

**Theoretical Outcome** The students after studying this paper, will get a clear Understanding of various basic Concepts used in statistics.

**Practical Outcome** Students can be able to Solve Problems of Business as well as can have the Knowledge of Statistics.

### Teaching & Learning Methodology

- Lectures
- Role play
- Case Studies
- Class Participation

### Books Recommended

1. '**Business Statistics for Contemporary Decision Making**' by *Ken Black*, Wiley india Pvt. Ltd (2004)
2. '**Statistics for Business and Economics**' by *Anderson, Sweeney, Williams*, Cengage Learning Publication(2001)
3. '**Business Statistics**' by *S.C.Gupta, Indra Gupta*, HPH Publication(2010)

### E-Resources

1. <http://as.wiley.com/WileyCDA/WileyTitle/productCd-EHEP000275.html>
2. <http://www.gobooke.net/business-statistics-ken-black-solution>
3. <http://as.wiley.com/WileyCDA/WileyTitle/productCd-EHEP002055.html>