



C. U. SHAH UNIVERSITY, Wadhwan City



FACULTY OF MANAGEMENT STUDIES MASTER OF BUSINESS ADMINISTRATION (MBA)

SEMESTER I (one)

CODE 5MS01QTM1

Name of Subject Quantitative Techniques for Management

Teaching & Evaluation Scheme

Teaching Scheme (Hours)				Evaluation Scheme (Marks)		
Th	Tu	P	Total	Sessional	External	Total
4	0	0	4	30	70	100

Objectives

- To develop skills in structuring and analyzing business problems using quantitative analysis.
- To develop aptitude and statistical thinking approach to business problems.
- To understand the effective use of computer software for resolution of statistical problems.

Prerequisite Know the basic calculation, Basic idea for Statistics

Course outline

Sr. No.	Course Contents	Number of Hours
1	Introduction to Statistics, Statistics in Business	03
2	Charts and Graphs	04
3	Descriptive Statistics, Measure of Central Tendency	06
4	Measure of Variability for Group and Ungrouped data	05
5	Measures of Shape: Skewness and Kurtosis, Measures of Association.	07
6	Random variable and probability distribution Structure of probability, Results of probability, Revision of probability: BAYES' RULE, and examples Random variable and probability distribution:	07
7	Simple Regression Analysis & Correlation	07
8	Transportation & Transshipment Problem	07
9	Assignment Problem	08



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10	Time Series	06
Total Hours		60

Learning Outcomes

Theoretical Outcomes It is useful to know different Statistical tools

Practical Outcomes It is useful to solve business problem & also for the research work

Teaching & Learning Methodology

- Lectures
- Assignments

Books Recommended

1. **'Business Statistics for Contemporary Decision Making'** ,Ken Black, Wiley india Pvt. Ltd .
2. **'Statistics for Business and Economics'** , Anderson, Sweeney, Williams, Cengage Learning Publication.
3. **'Business Statistics'** , S.C.Gupta, Indra Gupta, HPH Publication.
4. **'Quantitative Technique for Business Managers'** ,R.K.Bharadwaj, Anuradha R. Chetiya, Kakali Majumudar, HPH Publication

E-Resources

1. http://www.jsu.edu/library/resources/research_resources.html
2. http://www.researchgate.net/publication/222042135_Assessing_undergraduate_use_of_electronic_resources_A_quantitative_analysis_of_works_cited
3. http://wps.pearsoned.co.uk/ema_ge_render_qam_11