

**School of Business, Public Policy and Social Entrepreneurship
Ambedkar University Delhi**

Time Slot-_____

Course Code: SBP2MB124

Title: Business Statistics

Type of Course: Discipline (MBA (Statistics))

Cohort for which it is compulsory: MBA (I year)

Cohort for which it is elective: NA

No of Credits: 2

Attendance: 80% attendance is mandatory

Semester and Year Offered: I Semester (Slot I) – July 23, 2018 to September 28, 2018

Course Coordinator and Team: Anshu Gupta

Email of course coordinator: anshu@aud.ac.in

Pre-requisites: candidate must have done one paper of mathematics at 10+2 level

Aim: The course is a fundamental course in business statistic. The course is designed to introduce basics of data collection, preparation, descriptive and inferential statistics in context to business decision making. The course will be focus on conducting statistical analysis with software tools.

Brief description of modules/ Main modules:

Unit 1: Introduction to Statistics (3 hours)

Unit 2: Organising and Presenting Data (4 hours)

Unit 3: Descriptive Statistics (6 hours)

Unit 4: Probability and Probability Distributions (7 hours)

Unit 5: Sampling and Sampling Distributions (5 hours)

Unit 6: Hypothesis Testing (4 hours)

Unit 7: Simple Linear Regression (3 hours)

Assessment Details with Weights:

1. Group Assignments & Project 30% (throughout trimester)
2. Mid semester 30% (5th Week)
3. End semester 40% (9th Week)

Reading List

1. Anderson, D.R., Sweeney, D.J., and Williams, T.A. (2015). *Statistics for Business and Economics, 12th Edition*, Cengage Learning
2. Bajpai, N. (2009), *Business Statistics, 1st Edition*, Pearson Education
3. Levin D. M., Stephan D.F., Krehbiel T.C. and Berenson M.L. (2011), *Statistics for Managers, 6th Edition*, Prentice Hall

Additional References

1. Bowerman, B. L., O'Connell, R. T., and Murphree, E. (2013). *Business statistics in practice*, 7th Edition, McGraw-Hill/Irwin series
2. Norean D. S., Richard D., De V., Williams C., and Paul V. (2015). *Business Statistics*, 3rd Edition. Pearson Education