

Ambedkar University Delhi

Course Outline

Monsoon Semester (Jan-May 2019)

School:	Undergraduate Studies			
Programme with title:	BA (Honours)			
Semester to which offered:	II semester			
Course Title:	Quantitative Methods			
Credits:	4 Credits			
Course Code (new):	SUS1MA531			
Course Code (old):	M02			
Type of Course:	Elective	yes	Cohort	BA (H) Mathematics
	Elective	yes	Cohort	BA (H) other than Mathematics

For SUS only (Mark an X for as many as appropriate):

1. Foundation (Compulsory)
2. Foundation (Elective) X
3. Discipline (Compulsory)
4. Discipline (Elective) X
5. Elective

Course Coordinator and Team: Mradul Veer Singh

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

Pre-requisites: Mathematics of the 10th level

Aim: The topics included will enhance quantitative and analytical skills. The topics for the course have been chosen keeping in mind the requirements for quantitative skills in social sciences and humanities. Apart from lectures and tutorials, there will also be Excel lab work as and when required and appropriate for the course.

Main modules:

1. Functions and graphs
2. Linear Equations and Matrices
3. Statistics

References:

1. Alpha C. Chiang and Kevin Wainwright, *Fundamental methods of Mathematical Economics*, Fourth edition, McGraw-Hill International Edition, 2005.
2. Andrew Edmondson and David Druce, *Advanced Biology Statistics*, Oxford University Press, 2006.
3. David C. Lay, *Linear Algebra and its applications*, Third edition, Pearson Education, 2003.
4. K B Sinha et al, *Understanding Mathematics*, Universities Press, 2000.

Tentative Assessment schedule with details of weightage:

S.No	Assessment	Date/period in which Assessment will take place	Weightage
1	Class test	First week of February	10%
2	Mid Semester Exam	As per AUD Academic Calendar	25%
3	Lab Work Assessments	Throughout the semester	15%
4	Presentation/ Viva	Early April	15%
5	End Semester Exam	As per AUD Academic Calendar	35%