

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD
DEPARTMENT OF MATHEMATICS**

**Curriculum for M.A. / M. Sc. (Mathematics / Applied Mathematics)
Semester I, II, III, and IV**

**Under Choice Based Credit and Grading System including Research
Component and Indian Constitution as service course.**

W.E.F. JUNE – 2016

The M. A. / M. Sc. (Mathematics/ Applied Mathematics) course consists of four semesters.

In Semesters I and II a student has to study **one (compulsory) foundation course, three core** courses and one **Elective** course. In Semesters III and IV he/she has to study two **core** courses, three **elective** courses including **research component** and **Indian Constitution** as **service course**. In semester III and IV the student **will have to complete a project in each paper as research component**. Apart from this, the student will have to learn the **course on Indian Constitution as service course**, as decided by the University.

The M. A. / M. Sc. (Mathematics/ Applied Mathematics) course will be of 120 credits.

Semester	No. of papers (core + elective)	No. of credits For each paper	No. of credits for research component	Total no. of credits
I	4 + 1 = 5	6	---	30
II	4 + 1 = 5	6	---	30
III	2 + 3 = 5	4	2 X 5 = 10	30
IV	2 + 3 = 5	4	2 X 5 = 10	30
Total credits		100 (Theory)	20 (Research component)	120

Unitwise distribution of the syllabus for the courses is given below.

SEMESTER- I

Core Courses

- MAT401 \ AMAT 401 - Advanced Abstract Algebra -I
MAT402 \ AMAT 402 - Real Analysis -I