

Open Elective
(For Students of Arts and Social Science Stream)

MATOET 2.1(C): Basic Mathematics-II	
Teaching Hours : 3 Hours/Week	Credits: 3
Total Teaching Hours: 42 Hours	Max. Marks: 100 (S.A.- 60 + I.A. - 40)

Course Learning Outcomes: This course will enable the students to

- To know the concepts of limit and continuity
- Explain the concepts and use of differential calculus
- To become familiar with concepts of differentiation its use in finding the maxima and minima

Unit -1 : Limits and Continuity: Definition of Limits and continuity, Limit property, limits of combine function, and simple problems on them. 14 Hours

Unit -2: Differential Calculus: Constant and variable, functions, Differentiability, Differentiation, Sum, Difference, and Quotient implicit and parametric differentiation and examples their on. 14 Hours

Unit - 3: Applications of Differentiation: Rates as a measure Maxima, Minima, and Problems on them. 14 Hours

Reference Book:

1. Differential Calculus – Shanti Narayan & Dr PK Mittal
2. Differential Calculus By Mukhesh Kumar A P Singh , Ashok Kumar
3. Differential Calculus B.C. Das & B.N Mukharjee.

Shobha 