Course Title	Course Code	Credit Hours
Applied Mathematics	BME-802	3 – 0

TEXT BOOK:
- "Class Notes"
- "Linear Algebra: A Modern Introduction" by David Poole
- Reference book
- "Advanced Mathematics" by Erwin Kreyszig

REFERENCE BOOK
- N/a

COURSE OBJECTIVES:
The aims are to enable candidates to develop their mathematical knowledge and skills in understanding mathematical principles and an appreciation of mathematics as a logical and coherent subject. This course will provide the necessary background for understanding advanced mathematical concepts.

COURSE OUTLINES
- Introduction, applications of mathematics in medicine
- Quadratics
- Functions
- Circular measures
- Differentiation
- Vectors
- Integration
- Complex numbers
- Kinematics of motion in straight line
- Equilibrium of a rigid body

ASSESSMENTS

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester Exam	40-50%