

اسم و رمز المقرر باللغة العربية: الرياضيات ريز 114

اسم و رمز المقرر باللغة الإنجليزية:

Mathematics MAT 114

Credit hours/ week: 2 hours

Course Description: the course covers the specific topics demonstrating basic mathematical process and its application in medical sciences.

Course Objective:

1. Provide the student with knowledge concerning different basic mathematical operations.

Course Contents:

Set theory, functions, limits, important limits, differentiation and its application, integration and its applications.

Course Outcomes:

By the end of this course the student should be able to:

1. Be familiar with set theory.
2. Understand limits and differentiation and its application.
3. Understand integration and its applications.

Teaching Methods:

1. Lectures
2. Home works
3. Discussions

Course Assessment:

1. Tests and assignments
2. Final examination (written examination)

References:

1. Narayanan S. and Manicavachagom P. T. K. (2004). Calculus. S.Viswanathan Printers and Publishers Pvt. Ltd. Chennai.
2. Walter R. 1976). Principles of Mathematical Analysis. 3rd edition. McGraw-Hill Science. 325 pages, ISBN: 0070856133, 007054235X.
3. Manicavachagom P. T.K., Natarajan T. and Ganapathy K.S. (2004). Algebra, Volume I and II S.Viswanathan Printers and Publishers Pvt. Ltd. Chennai