



العدد :

التاريخ : / / ٢٠

Course number and name	ER 203: Mathematics III
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	
Course Information	a. Prerequisites: ER 103 Mathematics I & ER 104 Mathematics II b. Required
Topics to be covered	- Introduction to Triple integral - Triple integral and Cartesian coordinates - Triple integral in cylindrical coordinates - Triple integral in spherical coordinates - Sequences - Series and Summation of series - Taylor and McLaurin series - Introduction to Fourier series - Trigonometric Fourier series - Exponential Fourier series - Introduction to Laplace Transform - Properties of Laplace Transform - Application of Laplace Transform

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