



العدد :

التاريخ : / / ٢٠

Course number and name	ER104: Mathematics II
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	
Course Information	a. Prerequisites: ER 103 Mathematics I b. Required
Topics to be covered	– Multiple integrals: Volumes, Surface area, Integrals in general coordinate systems. –Line and surface integrals, Green's theorem, Sequence and series: Several tests of convergence, Power series and Taylor series. –polar coordinates. –Ordinary differential equations of the first and second order. –Partial differential equations. –Higher orders differential equations. –Series Solution of differential equations using power series .

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