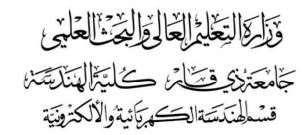
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





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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