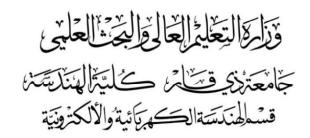Ministry of Higher Education
and Scinetific Research
Thi-Qar University
Collage of Engineering
Electrical and Electronic Engineering Dept

وزارة التعليم العالي والبحث العلمي
جامعة ذي قار كلية الهندسة
قسم الهندسة الكهربائية والالكترونية

العدد :

التاريخ :   /   /   ٢٠

Course number and name	EE 2600: Electromagnetic Fields I
Credits and contact hours	3 credits and 3 hours
Course coordinator	
Textbook	W. H. Hayt, Jr. and J. A. Buck, Engineering Electromagnetics. McGraw Hill, Eighth Edition (2012)
Course Information	a. Prerequisites: EE 1100 Circuits I b. Required
Topics to be covered	-Coordinate Systems and Vector Fields –Coulomb's Law and the electric field –Vector differential and integral operators –The Electrostatics of the D-field –Gauss' Law for symmetric and non-symmetric charge distributions –Energy and potential, Divergence –Boundary value problems I: Method of Images -Capacitance –Poisson's and Laplace's equations