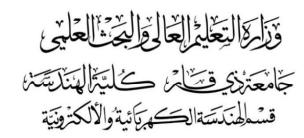
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





لعدد :

التاريخ: / / ٢٠

Course number and name	EE 3300: Electrical Machinery III
Credits and contact hours	3 credits and 3 hours
Course coordinator	
Textbook	N. Mohan, Electric Drives: An Integrative Approach, 2003
	edition, MNPERE Publishers
Course Information	a. Prerequisites: EE 2310 Electrical Machinery II
	b. Selected Elective
Topics to be covered	- Classification of AC motor, Induction motor principle,
	Producing of rotating magnetic field slip, Torque, Equivalent
	Circuit, Power stage in induction motor, induction motor as a
	generalized transformer
	- Synchronous Machines Alternators principles, winding,
	Distribution factor, Pitch factor, E.M.F Equation of alternator,
	Armature reaction, Voltage regulation, Synchronous
	impedance method, Parallel operation of alternator,
	Synchronous motors principles, Method of starting Torque of
	synchronous motor, Power developed

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