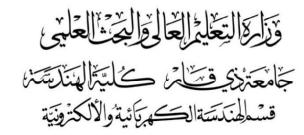
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد : التاريخ : / / ٢٠

Course number and name	EE 2310: Electrical Machinery II
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 2300 Electrical Machinery I
	b. Selected Elective
Topics to be covered	-AC induction and synchronous machines
	-Permanent magnet and brushless dc motors
	-Stepper motors and reluctance motors
	-Modeling and speed control of motors
	-Modern applications of electric machinery
	–D. C generator principle, Lap winding, Wave winding, Type
	of D.C generators, E.M. F equation of D.C generator, Power
	stage, losses. And efficiency, Armature reaction,
	commutation, Generator characteristic, D.C motor principle,
	Motor characteristic, Power stage, losses and efficiency,
	Torque of D.C motor, Speed control of D.C motor

قسم المنكسة الكهربائية والألكترونية