



العدد :

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

قسم هندسة الكهربية والإلكترونية