



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

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