

Electrical Machines (2); [3 Cr. H]	0904461	Pre-req.[0904361]
<p>Rotating magnetic field; MMF and flux distribution; synchronous generators: classification; construction; equivalent circuit; power and torque relationships; parallel operation; performance and characteristics; synchronous motors: principles; power flow and efficiency; starting; power factor correction and V-curve; 3-phase induction motors: types; construction and basic concepts; equivalent circuit; power and torque relations; power flow and performance characteristics; starting; speed control; single-phase induction motors:. Construction; classification; starting; equivalent circuit; and performance characteristics ; Introduction on universal motors preventive maintenance. Fundamentals of electric drive systems.</p>		