

Electrical machines (2) [3 – 0 – 1]	Course #:0904461	Prereq.: 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 to universal motors, reluctance motors, stepper motors.</p>		