
Code	ECE 607
Name	Design of Variable Reluctance Machines
Hour per week	3 (3+0)
Credit	3
ECTS	10
Level/Year	Graduate / Master, Ph.D.
Semester	Fall
Type	Elective
Prerequisites	EE 308 Electrical Machines and Drives
Content	Fundamentals of VRM Analysis. Practical VRM Configurations. Current Waveforms for Torque Production. VRM Drives. Nonlinear Analysis. Performance Analysis of VRMs and VRM Drives by Software Simulations. Loss, Efficiency and Torque Calculations. Paper Reviews on the Subject. Evaluation of Selected Studies Carried on Reviewed Papers by means of Software Simulations. Step Motors. Various Configurations of Step Motors. Step Motor Control Methods and Step Motor Drives. Paper Reviews on the Subject.
