
Code	Electric Power Distribution System Engineering
Name	ECE 553
Hour per week	3(3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall, Springs
Type	Elective
Prerequisites	NA
Content	Power distribution system modeling, primary and secondary system, voltage control and capacitor control and usage of a programming language during the course of these analyses will be aimed. At the end of the course, student will learn how to analyze distribution systems in general, load characteristics and nature of loads, application of distribution transformers, design of sub transmission lines and distribution substation, design considerations of primary systems, design considerations of secondary systems, voltage drop and power loss calculations, application of capacitors to distribution systems, distribution system voltage regulation, power system harmonics.
