

In the Name of God



Shahid Chamran University of Ahvaz

Electrical Energy Systems Analysis I (3 Credits)

Fall 2020 (1399-00)

Instructor	Hossein Farzin, PhD
Office	Second Floor, Electrical Engineering Department
Contact	Farzin.hossein@gmail.com, farzin@scu.ac.ir
Text Books	J. D. Glover, M. S. Sarma, T. Overbye, “ <i>Power System Analysis and Design</i> ”, 6 th edition, Cengage Learning, 2016. W. H. Kersting, <i>Distribution System Modeling and Analysis</i> , 2 nd edition, CRC Press, 2006.
Reference Books	H. Saadat, <i>Power System Analysis</i> , McGraw Hill, 1999. J. J. Grainger, W. D. Stevenson, <i>Power System Analysis</i> , McGraw Hill, 1994.
Online Course URL	meeting.scu.ac.ir/eesa1-991/
Course Objective	Introducing the fundamentals of power system modeling and analysis: generation, transmission and distribution
Topics	Introduction to Power Systems
	Power System Fundamentals
	Power Transformers
	Transmission Line Parameters
	Steady-State Operation of Transmission Lines
	Power Flows
	Introduction to Distribution Systems
Grading	
Homework + Quiz	4 points
Mid-Term Exam	7 points (21 Aban 1399)
Final Exam	9 points (13 Dey 1399)
Class Activity	Bonus Points
Total	20 points