

PROT 401: Protecting Power Systems for Engineers

Agenda

Day 1

Time	Topic	Section
8 a.m.–1p.m.	<i>Welcome and Introductions</i>	
	Power System Basics and Balanced Faults	1
	Class Exercise: Power System Balanced Faults	2
	Symmetrical Components	3

Day 2

Time	Topic	Section
8 a.m.–1 p.m.	Class Exercise: Symmetrical Components	4
	Power System Unbalanced Faults	5
	Class Exercise: Power System Unbalanced Faults	6
	Relaying Fundamentals	7

Day 3

Time	Topic	Section
8 a.m.–1 p.m.	Instrument Transformers	8
	Line Overcurrent Protection	9
	Class Exercise: Overcurrent Protection Coordination	10

Day 4

Time	Topic	Section
8 a.m.–1 p.m.	Line Directional Overcurrent Protection	11
	Class Exercise: Line Directional Overcurrent Protection	12
	Line Distance Protection	13
	Class Exercise: Line Distance Protection	14

Day 5

Time	Topic	Section
8 a.m.–1 p.m.	Line Pilot Protection	15
	Transformer Protection	16
	Class Exercise: Transformer Differential Protection	17

Day 6

Time	Topic	Section
8 a.m.–1 p.m.	Class Exercise: Transformer Overcurrent Protection	18
	Bus and Breaker Failure Protection	19
	Class Exercise: Bus Protection	20

Day 7

Time	Topic	Section
8 a.m.–1 p.m.	Generator Protection	21
	Class Exercise: Generator Protection	22
	Motor Protection	23

Day 8

Time	Topic	Section
8 a.m.–1 p.m.	Class Exercise: Motor Protection	24
	Overflow time if needed	