

Power Generation Operation and Control August 14, 15, and 16

Day and Time

Wednesday July 10

8:30-8:45

Introduction

Videos to watch

Introduction to Economics of Power Generation

8:45 -9:45

Video session 1

Module 2: Characteristics of power generation units

9:45-10:45

Problem Session 1

10:45-11:00

Morning break

11:00-12:00

Video session 2

Module 4: Optimization within constraints

Module 5: Linear Programming (optional)

Module 6: Dynamic Programming (optional)

12:00-1:00

Lunch Break

1:00-2:00

Problem Session 2

2:00-3:00

Video session 3

Module 7: Economic Dispatch of Thermal Units, Part 1

3:00-3:15

Afternoon Break

3:15-4:15

Problem Session 3

4:15-4:30

Final Review

Thursday July 11

8:30-8:45	Introduction	
8:45 -9:45	Video session 1	Module 8: Unit Commitment, Part 1
9:45-10:45	Problem Session 1	
10:45-11:00	Morning break	
11:00-12:00	Video session 2	Module 10: Transmission System Effects, Part 1 (optional) Module 10: Transmission System Effects, Part 2
12:00-1:00	Lunch Break	
1:00-2:00	Problem Session 2	
2:00-3:00	Video session 3	Module 11: Power System Security, Part 1 Module 11: Power System Security, Part 2 (optional)
3:00-3:15	Afternoon Break	
3:15-4:15	Problem Session 3	
4:15-4:30	Final Review	

Friday July 12

8:30-8:45

Introduction

8:45 -9:45

Video session 1

Module 12: Optimal Power Flow, Part 1

9:45-10:45

Problem Session 1

10:45-11:00

Morning break

11:00-12:00

Video session 2

Module 14: Control of Generation

12:00-1:00

Lunch Break

1:00-2:00

Problem Session 2

2:00-3:00

Video session 3

Module 15: Interchange Pooling Brokers and Auctions, Part 1

3:00-3:15

Afternoon Break

3:15-4:15

Problem Session 3

4:15-4:30

Final Review