

Study Plan for MEC511-Lec10-Week06

Date	Time	Summary	Description
2025-08-11 (Mon)	10:00 AM - 12:00 PM	Study Ch. 3: Evaluating Properties	Review lecture notes and read Chapter 3. Focus on specific heat, properties of liquids and solids.
2025-08-18 (Mon)	10:00 AM - 12:00 PM	Study Ch. 3: Ideal Gas Model	Review Ideal Gas Model concepts and examples in Chapter 3.
2025-08-25 (Mon)	10:00 AM - 12:00 PM	Study Ch. 3: Polytropic Process	Review Polytropic Process Relations and examples in Chapter 3.
2025-09-01 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Control Volume Analysis	Review Control Volume Analysis using Energy concepts.
2025-09-08 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Mass Rate Balance	Review Mass Rate Balance Forms for Control Volumes.
2025-09-15 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Energy Conservation	Review Energy Conservation for a Control Volume.
2025-09-22 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Steady State CV	Review Analyzing Control Volumes at Steady State.
2025-09-29 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Nozzles and Diffusers	Review Nozzles and Diffusers applications.
2025-10-06 (Mon)	10:00 AM - 12:00 PM	Midterm Exam Prep	Prepare for Midterm Exam on Chapters 3 & 4.
2025-10-13 (Mon)	09:00 AM - 12:00 PM	Midterm Exam	Midterm Exam covering Chapters 3 & 4.
2025-10-20 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Turbines	Review Turbines and their application.
2025-10-27 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Compressors/Pumps	Review Compressors and Pumps applications.
2025-11-03 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Heat Exchangers	Review Heat Exchangers applications.
2025-11-10 (Mon)	10:00 AM - 12:00 PM	Study Ch. 4: Throttling devices	Review Throttling devices applications.
2025-11-17 (Mon)	10:00 AM - 12:00 PM	Final Exam Prep	Prepare for Final Exam on Chapters 3 & 4.
2025-11-24 (Mon)	09:00 AM - 12:00 PM	Final Exam	Final Exam covering Chapters 3 & 4.