

	PTE 517 Spring semester 2024 Dr. Ershaghi
Date	Office Hours 9:30-11 AM Thursday HED 315
11-Jan	Introduction to Well Testing
18-Jan	Flow Models/Solution methods
25-Jan	Multi-Phase Flow/Boundaries
1-Feb	Wellbore Storage/Gauges
8-Feb	First Exam
15-Feb	Pressure Buildup/Pressure Drawdowns
22-Feb	Diagnostic Plots
29-Feb	Multi Layered Reservoirs
7-Mar	Naturally Fractured Reservoirs
14-Mar	Spring Recess
21-Mar	Horizontal Wells
28-Mar	Second Exam
4-Apr	DST/Pumping Wells/Convolution/Deconvolution
11-Apr	Aquifer Tests/Numerical Well Testing
18-Apr	Gas Storage/ CCUS
25-Apr	Project Presentation

2-May	Final Exam
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	Grading: 15% HW 50% 2 Mid Terms 30% Final 5% Project
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References

SPE Monograph 1 Mathew and Russel

SPE Monograph 5 Earlougher

SPE book on Well Testing by John Lee et al.

SPE Transient Well Testing Edited by Med Kamal