

| | |
|---------------|---|
| | PTE 517 Spring semester 2025- Dr. Ershaghi |
| Date | Office Hours 9:30-11 AM Thursday HED 315 |
| 16-Jan | Introduction to Well Testing |
| 23-Jan | Flow Models/Solution Methods |
| 30 Jan | Multi-Phase Flow/Boundaries |
| 6-Feb | Wellbore Storage/Gauges |
| 13-Feb | First Exam |
| 20-Feb | Pressure Buildup/Pressure Drawdowns |
| 27-Feb | Diagnostic Plots |
| 6-Mar | Multi-Layered Reservoirs |
| 13-Mar | Naturally Fractured Reservoirs |
| 20-Mar | Spring Recess |
| 27-Mar | Injection Well Testing |
| 27-Mar | Horizontal Wells |
| 3-Apr | Second Exam |
| 10-Apr | DST/Pumping Wells/Convolution/Deconvolution |
| 17-Apr | Aquifer Tests/Numerical Well Testing |
| 24-Apr | Gas Storage/ CCUS |
| 1-May | Project Presentation |
| 8-May | Final Exam |



Grading: 15% HW 50% 2 Mid Terms 30% Final 5% Project

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