

PTE 517 Spring Semester 2023 Dr. Ershaghi

	12-Jan	Basic Concepts of Well Testing	
	19-Jan	Flow Models	
	26-Jan	Multi-Phase Flow/No flow boundaries	
	2-Feb	Wellbore Storage and Wellbore Effects/ Rate Transients	
	9-Feb	Pressure Buildup and Pressure Drawdown/	Reservoir Limit Tests
	16-Feb	Diagnostic Plots/ Heterogeneity and Anisotropy/Leaky Faults	
	23-Feb	First Exam	
	2-Mar	Multi-Layered and Composite Reservoirs/	Interference and Pulse Tests
	9-Mar	Naturally Fractured Reservoirs/ Fractured Wells	
	16-Mar	Spring Break	
	23-Mar	Horizontal Wells/Injection Well Testing	
	30-Mar	Gas and Gas Condensate wells/Geothermal Wells	
	6-Apr	Second Exam	
	13-Apr	DST/Pumping Wells/ Convolution /Deconvolution	
	20-Apr	Aquifer Tests/ Numerical Well Testing/Test Design	
	27-Apr	Project Presentation	
	4-May	Final Exam 2-4 PM	
			Grading
References			HW 15 Points
SPE Monograph 1 Mathew and Russel			Exam 1 25
SPE Monograph 5 Earlougher			Exam 2 25
SPE book on Well Testing by John Lee et al.			Final Exam 25
SPE Transient Well Testing Edited by Med Kamal			Project 15