

Chemical Engineering

Teaching Schedule, 2013-2014

<i>CRSE</i>	<i>COURSE TITLE</i>	<i>FALL</i>	<i>WINTER</i>	<i>SPRING</i>
		Time/Days Professor	Time/Days Professor	Time/Days Professor
190	Engineering of Chemical and Biological Processes			
210	Analysis of Chemical Process Systems	11 MTWF Lab 12-2, 2-4, 4-6 M Jewett	3 MTWF Lab 4-6 M, 4-6 T, 4-6 W Tyo	
211	Thermodynamics		4-5:50 TTh Henry	9 MTWF Kung
212	Phase Equilibrium and Staged Separations	1 MTWF Broadbelt		9 MTWF Snurr
275	Molecular and Cell Biology for Engineers		12-1:50 MW Shea	
307	Kinetics and Reactor Engineering			10 MTWF Torkelson 1 MTWF Bagheri
312	Probability and Statistics for Chemical Engineering		2 MTWF Bagheri	
321	Fluid Mechanics	2 MTWF Burghardt		
322	Heat Transfer		9 MTWF Torkelson	
323	Mass Transfer			3-4:50 MW Dranoff
330	Molecular Engineering and Statistical Mechanics			11 MTWF Snurr
341	Dynamics and Control of Chemical and Biological Processes		10 MTWF Leonard	
342	Chemical Engineering Laboratory	9-5:30 Th Boggs	9-5:30 Th Boggs	9-5:30 Th Boggs
345	Process Optimization			4-5:50 TTh You
351	Process Economics, Design, and Evaluation	12 MTWF Cole	12 MTWF Notestein	
352	Chemical Engineering Design Projects		3-6 T You / Wegerer	4-7 W Kung / Wegerer
355	Chemical Product Design		4-5:30 MW Notestein	
361	Introduction to Polymers	10 MTWF Torkelson		
364	Chemical Processing and the Environment			
365	Sustainability, Technology, and Society	3 MWF Kung		
371	Transport Phenomena in Living Systems			
375	Biochemical Engineering		9 MTWF Jewett	

377	Bioseparations			10 MTWF Kourkine
379	Computational Biology: Principles and Applications			9 MTWF Leonard
390	Personal and Organizational Effectiveness			
395	Special Topics in Chemical Engineering	4-5:20 MW Ryskin ¹	9-10:50 TTh Kourkine ²	2-3:20 TF Masanet ³
395	Special Topics in Chemical Engineering	11 MWF Tyo ⁴		4-5:50 MW Caracotsios ⁵
404	Advanced Thermodynamics		3-4:50 TTh Grzybowski	
406	Selected Topics in Thermodynamics			2:30-3:50 MW Ryskin
408	Chemical Engineering Kinetics and Reactor Design	4-5:50 TTh Notestein		
409	Advanced Reactor Design			
410	Principles of Heterogeneous Catalysis		9-10:50 MW Abrevaya	
421	Fluid Mechanics	9 MTWF Burghardt		
422	Heat and Mass Transfer		12:30-1:50 MWF Ryskin	
438	Interdisciplinary Nonlinear Dynamics			
451	Applied Molecular Modeling			
462	Viscoelasticity and Flow in Polymer Systems			11 MTWF Burghardt
463	Polymerization Reaction Engineering			
472	Interfacial Phenomena and Bionanotechnology			
475	Cell-Material Interactions	4-5:50 MW Shea		
477	Bioseparations			10 MTWF Kourkine
478	Advances in Biotechnology			12-1:50 W 1-1:50 F Shea
479	Cell Culture and Ex Vivo Tissue Engineering			
489	Selected Topics in Chemical Engineering			12-1:20 MW Masanet ⁶

¹ Quantum Mechanics and Path Integrals

² Nanobiotechnology Review

³ Quantitative Methods in Life Cycle Analysis

⁴ Biotechnology and Global Health

⁵ Computer-aided Modeling of Reactive Systems

⁶ Sustainable Manufacturing (cross-listed with ME 495)