Chemical Engineering

Teaching Schedule, 2014-2015

CRSE	*COURSE TITLE*	*FALL*	*WINTER*	*SPRING*
		Time/Days Professor	Time/Days Professor	Time/Days Professor
190	Engineering of Chemical and Biological Processes			
210	Analysis of Chemical Process Systems	1 MTWF Lab 2-4, 4-6 M or 3-5T **Tyo**		9 MTWF Lab 12-2, 2-4, 4-6 M **Jewett**
211	Thermodynamics		11 MTWF **Dranoff**	
212	Phase Equilibrium and Staged Separations	3 MTWF **Leonard**		2 MTWF **Broadbelt**
275	Molecular and Cell Biology for Engineers		3-4:50 TTh **TBD**	
307	Kinetics and Reactor Engineering			10 MTWF **Torkelson** 1 MTWF **Bagheri**
312	Probability and Statistics for Chemical Engineering		10 MTWF **Bagheri**	
321	Fluid Mechanics	2 MTWF **Burghardt**		
322	Heat Transfer		9 MTWF **Burghardt**	
323	Mass Transfer			3 MTWF **Grzybowski**
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	9-5:20 Th **Silliman**	9-5:20 Th **TBD**	9-5:20 Th **Maher**
345	Process Optimization			4-5:50 TTh **You**
351	Process Economics, Design, and Evaluation	12 MTWF **Kung**	12 MTWF **Cole**	
352	Chemical Engineering Design Projects		3-5:50 T **You/ Wegerer**	3-5:50 W **Kung/ Wegerer**
355	Chemical Product Design		3 MWF **Notestein**	
361	Introduction to Polymers	10 MTWF **Torkelson**		
364	Chemical Processing and the Environment			
365	Sustainability, Technology, and Society	3 MWF **Kung**		
367	Quantitative Methods in Life Cycle Analysis			2-3:20 TF **Masanet**
371	Transport Phenomena in Living Systems			
375	Biochemical Engineering		9 MTWF **Jewett**	

CRSE	*COURSE TITLE*	*FALL*	*WINTER*	*SPRING*
		Time/Days Professor	Time/Days Professor	Time/Days Professor
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]	2-3:20 MW **Bagheri**[2]	New course CHBE 367
395	Special Topics in Chemical Engineering	11 MWF **Kourkine**[3]	6-8:50 W **Russin**[4]	3:30-4:50 MW **Felse**[5]
404	Advanced Thermodynamics			12-1:50 TTh **Grzybowski**
406	Selected Topics in Thermodynamics		4-5:20 TTh **Ryskin**	
408	Chemical Engineering Kinetics and Reactor Design	4-5:50 TTh **Notestein**		
409	Advanced Reactor Design		4-5:50 MW **Caracotsios**	
410	Principles of Heterogeneous Catalysis			
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		9 MTWF **Snurr**	
462	Viscoelasticity and Flow in Polymer Systems			
463	Polymerization Reaction Engineering			9 MF, 8:30-9:50 W **Torkelson**
472	Interfacial Phenomena and Bionanotechnology			
475	Cell-Material Interactions			
477	Bioseparations			10 MTWF **Kourkine**
478	Advances in Biotechnology			12-1:50 W 1-1:50 F **Tyo**
479	Cell Culture and Ex Vivo Tissue Engineering			
489	Selected Topics in Chemical Engineering			11-12:20 MW **Masanet**[6]

[1] Differential Geometry (Fall Quarter – Prof. Ryskin)
[2] Data Analysis and Modeling (Winter Quarter – Prof. Bagheri)
[3] Nanoscale Phenomena and Bionanotechnology (Fall Quarter – Prof. Kourkine)
[4] Practical Biological Imaging (with MBP, Winter Quarter – Prof. Russin)
[5] Biotechnology Regulatory Science (Spring Quarter – Prof. Felse)
[6] Sustainable Manufacturing (cross-listed with ME 495, Spring Quarter – Prof. Masanet)