

CHME 7390 Fall 2020 CHME Graduate Seminar Schedule

Wednesdays Richards Hall Rm. 236

Week	Dates	Topic/Speaker	Title/Notes
1	September 09 - Wednesday	Introduction, expectations, best practices for research, delivering and receiving information.	
2	September 16 - Wednesday	Literature review, ethical conduct of research, funding and the grant proposal process; meeting Assigned Group members	
3	September 23 - Wednesday	Safety (R. Willey), Communications Lab, Prof. Rebecca Willits, Chair, CHME Dept; “Microenvironmental cues to enhance neural repair”	
4	September 30 - Wednesday	Prof. Carolyn Lee Parsons “Engineering the Production of Medicinal Natural Products from Plant Cell Cultures” Asst. Prof. Ryan Koppes “Engineering Innervated Organ Systems”	
5	October 07 - Wednesday	Prof. Rebecca Carrier “Engineering the intestinal and retinal microenvironments” Asst. Prof. Ben Woolston “Engineering Bacteria to Solve Problems in Renewable Chemical Production and Human Health”	
6	October 14 - Wednesday	Asst. Prof. Josh Gallaway “Next Generation Battery Materials for the Grid” Asso. Prof. Richard West “Detailed Kinetic Modeling: using computers to predict complex systems of chemical reactions”	
7	October 21 - Wednesday	Asso. Prof. Steve Lustig - Information not available Asst. Prof. Andrew Jones “Enabling a lab on a faucet”	
8	October 28 - Wednesday	Prof. Debra Auguste “ Engineering targeted therapeutics for breast cancer” Asst. Prof. Sara Hashmi “Complex Fluid Dynamics”	
9	November 4 - Wednesday	Asst. Prof. Abigail Koppes “Engineered Models of the Enteric-Gut-Axis” Prof. Laura Lewis “Magic or Magnetics? Novel Materials for Energy Transfer”	
10	November 13 - Friday	Prof. William H. Green, Department of Chemical Engineering, Massachusetts Institute of Technology “Predicting Chemical Reactions in Important Systems”	
11	November – 18 Wednesday	Asso. Prof. Matthew Eckelman, Department of Civil and Environmental Engineering, Northeastern University “Systems Modeling for Sustainable Chemicals Production”	
12	No class - Thanksgiving Break		
13	December 02 – Wednesday	Prof. Carlos Rinaldi, Chair, Department of Chemical Engineering, University of Florida “In Vivo Quantitative Imaging of Nanoparticles and Cells Using Magnetic Particle Imaging”	
14	December 09 –Wednesday	Prof. Arumugam Manthiram, Cockrell Family Regents Chair in Engineering; Director, Texas Materials Institute “Near-term and Long-term Perspectives of Battery Technologies”	