

**CBE 459 Design Projects
Spring 2009
Chemical Engineering Laboratory, Rm 116**

	I	II	III
1:00 - 2:00 p.m.	2. Alaskan Natural Gas to Liquid using Microchannel Reactors (J. Wismer) S. W. Churchill Jeff Hammond Jared Lee Mohd Shayaan Nadeem Sophie Weiss	4. Butanol by 2-Stage Ferment. (B. Vrana) S. Holleran Christina Chen Amira Fawcett Amy Posner Tal Raviv	5. Glycerol to Ethanol (B. Vrana) W. D. Seider Chloe LeGendre Eric Logan Jordan Mendel Tamara Seedial
2:00 - 3:00 p.m.	1. Maleic Acid Hydrogenation to Tetrahydrofuran (W. Robbins) W. D. Seider Michael Abuschinow Daniyal Hussain Kathlene Wu	7. Toluene Methyl. to Paraxylene (B. Vrana) S. Holleran Thomas Dursch Ma Mee Mee Khine Ramy Khalil Francisca Mutahi	6. Phosgene-free Route to Polycarbonate: (B. Vrana) W. Shieh Alex Fick Dong Lin Robert Vavre
3:00 - 4:00 p.m.	3. Flexible Manufacturing Facility for Biopharmaceuticals (T. Rau) M. Lazarra Ryan Dunn Kevin Hsu Melanie Hullings Maria Lobikin	10. Plavix Resistance Point-of-Care Diagnostic Device (S. L. Diamond) S. L. Diamond Amanda Abbott Elizabeth Kohli Zhenteng Li Paul O'Brien	9. \$1,000 Genome Challenge for the Archon X Prize (J. C. Crocker) J. C. Crocker Gregory Bittle Boris Petkov Evan Rhee Elliot Woods
4:00 - 5:00 p.m.	12. Natural Gas Liquifaction using Reverse Brayton Cycle (A. Brostow) R. J. Gorte Salma Al-Aidaros Nicholas Bass Brian Downey Jonathan Ziegler	8. Design and Control using Stoc, Models of Depos. Reac. (T. Sinno) T. Sinno` Peter Beltramo Christina Bodarky Helen Kyd Reum Scott	