SESEY 2013 Projects		
Faculty	**Mentor(s)**	**Project Title**
Dr. Christine Kelly (BioE)	**Dr. Christine Kelly (all)**	
Bioprocess ChE/BioE	Xuwen Xiang/Bryan Kirby	Biodiesel Virtual Lab
Dr. Milo Koretsky	Rachel White/Bill Brooks	Biodiesel Virtual Lab 3-D Interface
Bioprocess ChE/BioE	Alexa Ruiz and Jimmy Beaty - Gleeson 003	Microfiltration - removal of cells
Bioprocess ChE/BioE	Lynda Bradley, Emily Oldenkamp and Eric Eichenbaum - Gleeson 202	Production of Enzymes
BioE	Robert Hannah/Talia Helman - Sr Lab Area	Human Physiology - Blood, Sweat and Tears (VO2 max)!
EnvE	Anthony Tahayeri	Solar Stormwater Treatment
EnvE	Josh Marsh	Water Treatment with Wetlands
Dr. Skip Rochefort	**Dr. Skip Rochefort (all)**	
Materials/EnvE/ChE	Tye Stephens/Claire Rodman - Gleeson 206	Haiti Project: Recycled Plastic Waste as Building Materials in Third-World Countries
Materials/EnvE/ChE	Regan Cronin/Dylan Wirth - Gleeson 206	CSI Plastics: Solving a murder mystery!
Materials/BioE/ChE	Allison Lind/Wyatt Self/Marisa Thierheimer- Gleeson 206	Hydrogels and Composite Materials for Spinal Disc Replacement
Materials/BioE/ChE	Heidi Oldenkamp/Megan Hall- Gleeson 206	Clean Water for Everyone! - Heavy Metal Removel with a Novel Gel Bead Process
Materials/BioE/ChE	Kaylee Duchateau/Gabby Fief/DN Foster Gl 206	Drug Delivery Using Sodium Alginate Beads
ChE/EnvE	Nick Kraaz/Risha Prasad - Gleeson 206	Contact Angle for Coating of materials in microlectronics and biomedical applications
Che/EnvE	Dr. David Hackleman, Megan Shadlow and Becca Taylor	Biodiesel - Evaluation of Various Biodiesel Grades using the Cloud Point/Freezing Point Technique
Dr. Adam Higgins (BioE)	Dr. Adam Higgins, John Lahmann, Cynthia Cruz Sanchez, Jolynn Meza Wynkoop- Gleeson 204	Removing blood preservatives after cryopreservation
Semprini/Azizzian (EnvE)	Dr. Lew Semprini, Dr. Mohamad Azzizian, Stephanie Rich, and Jennifer Green	Groundwater Bioremediation using Microorganisms
Semprini/Azizzian (Enve)	Dr. Lew Semprini, Dr. Mohamad Azzizianand Courtney Fisher	Groundwater Bioremediation using Microorganisms
Dr. Jeff Nason (EnvE)	Dr. Jeff Nason and Will Young	Titanium and gold nanoparticles in the environment: where will they go and should we be concerned
Dr. Javier Calvo-Amodio (IE)	Dr. Javier Calvo-Amodio and Amy Masoni	Lego Lean Manufacturing Industrial Enginerring
Dr. Bo Sun (Bio-Physics)	Dr. Bo Sun, Chris Jones, Garrett Potter	Using microfludics to determine cells response to touch? Single cell vs. group dynamics?
Dr. Greg Herman (ChE/ECE)	Dr. Greg Herman and Richard Oleksak	Dielectric Materials for Advanced Microelectronic Devices - Novel Probe and Delivery Devices
Dr. Ethan Minot (Physics/Nanotechnology)	Dr. Ethan Minot, Tristan Deborde and Lee Aspitarte	Nanotechnology: Carbon-based electronics
Dr. Brady Gibbons (Materials)	Dr. Brady Gibbons, Stephen Frey, and Ashley Mason	Solution Deposition of Piezoelectric Thin Films
Dr. Ravi Balasubramanian (ME/Robotics)	Dr. Ravi Balasubramanian and Jordan Meader	Robotic Simulation Testing - How do people Interact with Robots?
Dr. Alex Greaney (Materials)	Dr. Alex Greaney and Jason Castaneda	Computer Simulation of "hard carbon"
Dr. David Hurwitz (CE/Transportation)	Dr. David Hurwitz and Medha Jannat	The Impact of Distracted Pedestrians on Traffic Safety