

**New Mexico Tech  
Department of Chemistry  
SENIOR THESIS SEMINARS**

**2 May 2008, Jones Annex 101**

**2:00 Danny Ferraro (Advisor: T. Pietrab)**

**Title: Ammonia Decomposition over Carbon Nanotube Catalysts**

**2:30 Andrea Higdon (Advisor: M. Pullin)**

**Title: Kinetics of Iron (II) Oxidation in neutral waters**

**3:00 Katrina Burleigh (Advisor: A. Kornienko)**

**Title: Dihydropyridopyrazole Analogues of Podophylotoxin: C4'-Based Long Chain Ethers and Esters as Potential Selective Tumor Targeting Agents**

**3:30 Carlos Castillo (Advisor: M. Heagy)**

**Title: N-Aryl-Arenedicarboximides as Panchromatic Dyes for DSSC's**

**4:00 Rachel Fry (Advisor: M. Pullin)**

**Title: The Aluminum Interference in the Fluoride Selective Electrode, Causes and Solutions**

**4:30 Jennifer Bettale (Advisor: A. Kornienko)**

**Title: Synthesis and Biological Properties of Novel Pyroquinolines**

**6:00 Dinner and Awards, El Sombrero Restaurant**