

Project Assignment: Critical Review Presentation

Proposal Due: 5 p.m. 9/29/14

Paper Due: 5 p.m. 11/26/14

Oral Presentations: Dec. 8 and 10, 3:30 – 4:45 p.m.

The oral presentation should comprise a very short summary of the critical review paper. Each speaker will be allotted 10 min for the presentation, plus 2-3 min for questions and discussion.

Monday, December 8

Daniel Rodriguez

“Toughness of Dragline Spider Silk”

Tyler Curtis

“Degradation of Collagen: Mechanical Effects,
Evaluation Techniques and Control”

Devon Mason

“Optimization of Gelatin and Gelatin Derivatives
For Cell Culture and Tissue Formation”

Thomas Storey

“Mechanical Deformation and Properties
of the *Drosophila* Wing Imaginal Disc”

Kirsten Kozlovsky

“Deformation Behavior of Metallic Foams”

Wednesday, December 10

Dewen Yushu

“A Critical Review of Hydroxyapatite Reinforced
Polymers as Bone Substitutes”

Anna McDermott

“Cell Response to Differing Substrate Stiffness”

Katherine Ramos

“Critical Review of Thermally Activated and Other External
Triggering Mechanisms and Their Effects on Fixity
and Recovery of Shape Memory Polymers”

Matthew Kelly

“Influence of Semi-Solid Die Casting on the Structural Properties
of Aluminum Alloys: A Critical Review”