

Project Assignment: Critical Review Presentation
Proposal Due: 5 p.m. 9/25/09
Paper Due: in class 11/23/09
Oral Presentations: Dec. 7 and 9, 8:30 – 9:20 a.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 7

Matt Prygoski “Magnesium and its Alloys for Use in Bioresorbable Orthopaedic Applications”

Huade Tan “Shock Amplification Effects of High Strain Rate Deformation
in Metal Foams: A Critical Review”

Ya-Cheng Lin “A Review of Impact Resistance for Ceramic-Metal FGMs”

Christina Merrill “Calcium Phosphate-Reinforced Polyaryletherketone (PAEK)
Composite for Bone Repair”

Wednesday, December 9

Andrew Steward “The Effect of the Chemical Composition of Alginate on
Mechanical Properties with Regards to its Use as a Chondrogenic Scaffold”

Elaine Bourne “Metallic Foams: Deformation Behavior,
Manufacturing Techniques, and Applications”

David Rudy “Elastic Anisotropy in Cortical Bone”

Travis Turnbull “A Review of the Effects of Various Aspects of Structure
on the Toughness of Human Cortical Bone”