EE409 Material Science – Fall 09
Text: Principles of Electronic Materials and Devices 3e
Author: S. O. Kasap
Publisher: McGraw Hill

Dr. Todd j. Kaiser
531 Cobleigh Hall
jkaiser@ece.montana.edu
http://www.coe.montana.edu/ee/tjkaiser/
Office hours: Mon 10am, Wed 3pm

Prerequisites:
EE317 Electronics

Ch 1   Elementary Concepts  1 week
Ch 2   Conduction 2 weeks
Ch 3   Quantum Physics skip
Ch 4   Band Theory 2 week
Ch 5   Semiconductors 3 weeks
Ch 6   Devices 3 weeks
Ch 7   Dielectrics 2 weeks
Ch 8   Magnetics 2 weeks

Homework weekly 20%
Midterms 2 40%
Final take home 20%

Term Paper ~10 page 20%
-Technical format
-Technology Review Paper: Review and report on current technology
-Must pass paper to pass course

Ideas for term papers must be preapproved by Sep 30th.