

MatE 232 Course Schedule (Tentitive)

Date	Class Topics	Reading	Homework
August 26, 2003	Course Introduction, Fundamental Concepts		HW1 Handed Out
September 2, 2003	Interatomic Potentials, Binary Elastic Collisions	Chapter 1	HW1 Due, HW2 Handed Out
September 9, 2003	Cross Sections I	Chapters 2-3	HW3 Handed Out
September 16, 2003	Cross Sections II, Ion Stopping in Materials	Chapter 4	HW4 Handed Out, HW2 Due
September 23, 2003	Ion Range and Distribution	Chapters 4-5	HW5 Handed Out, HW3 Due
September 30, 2003	Ion Range and Distribution	Chapters 4-5	HW6 Handed Out, HW4 Due
October 7, 2003	Radiation Damage and Spiking	Chapter 7	HW5 Due
October 14, 2003	Computer Modelling and Diffusion	Chapter 8	HW7 Handed Out, HW6 Due
October 21, 2003	Midterm Exam (Chapters 1 - 7)	Chapters 1-7	
October 28, 2003	Sputtering	Chapter 9	HW8 Handed Out, HW7 Due
November 4, 2003	Order - disorder and ion implantation metallurgy	Chapter 10	HW9 Handed Out
November 11, 2003	Ion Beam Mixing	Chapter 11	HW8 Due
November 18, 2003	Phase Transformations	Chapter 12	HW10 Handed Out, HW9 Due
November 25, 2003	NO CLASS		
December 2, 2003	Ion Beam Assisted Deposition, Focused Ion Beam Applications	Chapter 13	HW10 Due
December 9, 2003	Materials Analysis with Ion Beams - Rutherford Backscattering - TAKE HOME FINAL HANDED OUT	TBD	
December 16, 2003	FINAL EXAM DUE, Materials Engineering Office, 5pm	Chapters 1-13	