

Week	Reading	Lecture	Lab	Assignment Due
1 – Jan 23	Knoll Chapters 3, 7, Lab 2 Manual	Intro, Radiation Detectors	Lab 1, Nuclear Electronics	None
2 – Jan 30	Knoll Chapters 17 I-VI	Pulse Functions, GM Detectors	Lab 2 week 1, GM Detector	Lab 1 Abstract due at beginning of lab
3 – Feb 6	Knoll Chapters 6, 14 I-II, Lab 3 Manual	Counting Statistics & Error Propagation, MCAs	Lab 2 week 2, GM Detector	None
4 – Feb 13	Knoll Chapters 8, 9	Proportional Counters, Slow Neutron Detection	Lab 3 week 1, Proportional Counter	Lab 2 Write-up due at beginning of lab
5 – Feb 20	Knoll Chapter 10, Lab 4 Manual	None	Lab 3 week 2, Proportional Counter	None
6 – Feb 27	None	Scintillation Detectors, Photomultiplier Tubes	Lab 4 week 1, Scintillation Counter	Lab 3 Write-up due at beginning of lab
7 – Mar 6	NAA Handout, Lab 5 Manual	Spectroscopy	Lab 4 week 2, Scintillation Counter	None
8 – Mar 13	None	Activation Analysis	Lab 5 week 1, Activation Analysis	Lab 4 Write-up due at beginning of lab
9 – Mar 20	Lab Orientation Handout	None	Lab 5 week 2, Activation Analysis	None
10 – Mar 27	Knoll Chapters 2, 17 VII, Lab 7 or 8 Manual	None	Lab 6, Radiation Survey	None
11 – Apr 3	Spring Break			
12 – Apr 10	None	Radiation Interactions, Pulse Timing	Lab 7/8 week 1, Range Energy/Absolute Counting	Lab 5 Write-up due at beginning of lab
13 – Apr 17	Knoll Chapters 2, 17 VII, Lab 8 or 7 Manual	None	Lab 7/8 week 2, Range Energy/Absolute Counting	None
14 – Apr 24	None	None	Lab 8/7 week 1, Absolute Counting/Range Energy	Lab 7/8 Write-up due at beginning of lab
15 – May 1	None	None	Lab 8/7 week 2, Absolute Counting/Range Energy	None
16 – May 8	None	None	None	Lab 8/7 Write-up due at end of day May 8th