

Linear Accelerator Laboratory Spring 2024

Date	Week	Day	Comments	Topic	Assignment
1/10/2024	1	Wed		Introduction, Review of Error Analysis, Overview of LINAC facility	
1/17/2024	2	Wed		Lecture on Neutron and Gamma Detectors, Laboratory Safety	HW1: SRIM Assignment
1/24/2024	3	Wed		Neutron Detection Lab	Lab Report 1
1/31/2024	4	Wed		Lecture on Cross Section, Diffusion and Activation	HW 2: MCNP Assignment
2/7/2024	5	Wed		Cross-Section/Activation Analysis Lab	Lab Reports 2 & 3
2/14/2024	6	Wed		Diffusion Theory Lab: Flux Mapping	Lab Report 4
2/21/2024	7	Wed		Midterm Exam Review	
2/28/2024	8	Wed		Exam-I	Exam-I
3/6/2024	9	Wed	Spring Break		
3/13/2024	10	Wed		Lecture on Temperature Effects	HW 3: NJOY Assignment
3/20/2024	11	Wed	GM week		
3/27/2024	12	Wed		Doppler Broadening Lab	Lab Report 5
4/3/2024	13	Wed		Lecture on Fission Theory	HW 4: MCNP Assignment
4/10/2024	14	Wed		Moderator Temperature/U235 Activation Lab	Lab Reports 6 & 7
4/17/2024	15	Wed		Review/Makeup week	
4/24/2024	15	Wed		Exam - II	

	LINAC lab
	Break
	LAB no LINAC