

Introductory Nuclear Physics 308351

Course Calendar Fall 2004

<i>Date</i> \ <i>Day</i>	Monday	Wednesday	Notes
Sep 19 – 23	Course overview	Historical background and introduction	
Sep 26 – 30	Terminology & discoveries	Classification of nuclei	
Oct 3 – 7	Nuclear Properties	Binding energy	1 st Assignment
Oct 10 – 14	Separation energy Nuclear force	Nuclear Structure	
Oct 17 – 21	Radioactive decay	Nuclear transformation	2 nd Assignment
Oct 24 – 28	Radioactive decay law	Secular equilibrium	
Oct 31 - Nov 4	Radioactive series Radioactive dating	Alpha decay	3 rd Assignment
Nov 7 – 11	1st periodical test	Alpha decay	
Nov 14 – 18	Beta decay	Gamma decay	4 th Assignment
Nov 21 – 25	Mossbauer effect	Biological effects of radiation & units	
Nov 28 – 2	Uses of radiation	Semiconductor detectors	5 th Assignment
Dec 5 – 9	Track detectors	2nd periodical test	
Dec 12 – 16	Neutron sources	Neutron diffraction	6 th Assignment
Dec 19 – 23	Absorption of neutrons	Neutron moderation	
Dec 26 – 30	Neutron detectors	Revision	
Jan 2 – 6			
Jan 9 – 13	Final exam: Wednesday 12th Jan 2005 11:00 – 13:00		Exam papers back on Sun 11 th Jan

With my best wishes,

Dr. Ilham Al-Qaradawi