

Schedule of Nuclear Reactor Physics in 2014

	Date	Contents	Exercise	Deadline of homework report submission
	Oct 2 (Thur)	(Cancel)		
1	Oct 9 (Thur)	Nuclear Reactions and Nuclear Cross Sections	Homework P1	9 a.m., Oct 14 (Tue)
2	Oct 16 (Thur)	The Multiplication factor and Nuclear Criticality	Exercise for P1, Homework P2	9 a.m., Oct 21 (Tue)
3	Oct 23 (Thur)	Neutron Transport Equation	Exercise for P2, Homework P3	9 a.m., Oct 28 (Tue)
4	Oct 30 (Thur)	The One-Speed Neutron Diffusion Equation	Exercise for P3, Homework P4	9 a.m., Nov 4 (Tue)
	Nov 13 (Thur)	(Cancel)		
5	Nov 20 (Thur)	Neutron Diffusion in Nonmultiplying Equation	Exercise for P4, Homework P5	9 a.m., Nov 25 (Tue)
6	Nov 27 (Thur)	The One-Speed Diffusion Model of a Nuclear Reactor	Exercise for P5, Homework P6	9 a.m., Dec 2 (Tue)
7	Dec 4 (Thur)	Multigroup Diffusion Theory	Exercise for P6, Homework P7	9 a.m., Dec 9 (Tue)
8	Dec 11 (Thur)	Perturbation theory	Exercise for P7, Homework P8	9 a.m., Dec 16 (Tue)
9	Dec 18 (Thur)	Nuclear Reactor Kinetics	Exercise for P8, Homework P9	9 a.m., Dec 24(Wed)
10	Dec 25 (Thur)	Neutron Spectrum (1) Neutron Slowing Down in Infinite Medium	Exercise for P9, Homework P10	9 a.m., Jan 6 (Tue)
11	Jan 8 (Thur)	Neutron Spectrum (2) Resonance Absorption	Exercise for P10, Homework P11	9 a.m., Jan 13 (Tue)
12	Jan 22 (Thur)	Neutron Spectrum (3) Neutron Slowing Down and Diffusion and Heteroginious Effect	Exercise for P11, Homework P12	9 a.m., Jan 27 (Tue)
13	Jan 29 (Thur)	Core Burnup (1) Effect of Fission Products	Exercise for P12 Homework P13	9 a.m., Feb 3 (Tue)
14	Feb 5 (Thur)	Core Burnup (2) Burnup Calculation, Reactivity Control, Reactivity Feedback	Exercise for P13	--
	Feb 12 (Thur)	Examination	-----	

Lecture: 9:00-10:30 Exercise: 10:45-11:30 (Room 523, N2-bldg)