

Schedule of Nuclear Reactor Physics in 2012

	Date	Contents	Exercise	Deadline of homework report submission
1	April 9 (Mon)	Nuclear Reactions and Nuclear Cross Sections	Homework P1	9 a.m., April 13 (Fri)
2	April 16 (Mon)	The Multiplication factor and Nuclear Criticality	Exercise for P1, Homework P2	9 a.m., April 20 (Fri)
3	April 23 (Mon)	Neutron Transport and The Diffusion Approximation	Exercise for P2, Homework P3	9 a.m., April 27 (Fri)
4	May 7 (Mon)	The One-Speed Nuclear Diffusion Equation	Exercise for P3, Homework P4	9 a.m., May 11 (Fri)
5	May 14 (Mon)	Neutron Diffusion in Nonmultiplying Equation	Exercise for P4, Homework P5	9 a.m., May 18 (Fri)
6	May 21 (Mon)	The One-Speed Diffusion Model of a Nuclear Reactor	Exercise for P5, Homework P6	9 a.m., May 25 (Fri)
7	May 28 (Mon)	Multigroup Diffusion Theory	Exercise for P6, Homework P7	9 a.m., June 1 (Fri)
8	June 4 (Mon)	Perturbation theory	Exercise for P7, Homework P8	9 a.m., June 8 (Fri)
9	June 11 (Mon)	Nuclear Reactor Kinetics	Exercise for P8, Homework P9	9 a.m., June 15 (Fri)
10	June 18 (Mon)	Neutron Spectrum (1) Neutron Slowing Down in Infinite Medium	Exercise for P9, Homework P10	9 a.m., June 22 (Fri)
11	June 25 (Mon)	Neutron Spectrum (2) Resonance Absorption	Exercise for P10, Homework P11	9 a.m., June 29 (Fri)
12	July 2 (Mon)	Neutron Spectrum (3) Neutron Slowing Down and Diffusion	Exercise for P11, Homework P12	9 a.m., July 6 (Fri)
13	<u>July 10 (Tue)</u>	Neutron Spectrum (4) Heteroginious Effect	Exercise for P12 Homework P13	9 a.m., July 13 (Fri)
14	July 16 (Mon) *	Core Burnup (1) Effect of Fission Products	Exercise for P13 Homework P14	9 a.m., July 20 (Fri)
	July 23 (Mon)	(Cancel) (Experiments for Reactor Physics in KUCA)		
15	July 30 (Mon)	Core Burnup (2) Burnup Calculation, Reactivity Control, Reactivity Feedback	Exercise for P14	--
	August 6 (Mon)	Examination	-----	

Lecture: 15:50-17:20 Exercise: 17:35-18:20 (Room 521, N2-bldg)

*) Our insitute has classes on July 16 though it is a national holiday.