

Schedule of Nuclear Reactor Physics in 2013

| | Date | Contents | Exercise | Deadline of homework report submission |
|----|------------------------------|---|--------------------------------|--|
| 1 | April 8 (Mon) | Nuclear Reactions and Nuclear Cross Sections | Homework P1 | 9 a.m., April 12 (Fri) |
| 2 | April 15 (Mon) | The Multiplication factor and Nuclear Criticality | Exercise for P1, Homework P2 | 9 a.m., April 19 (Fri) |
| 3 | April 22 (Mon) | Neutron Transport Equation | Exercise for P2, Homework P3 | 9 a.m., April 26 (Fri) |
| 4 | May 9 (Thur)* ¹ | The One-Speed Neutron Diffusion Equation | Exercise for P3 | -- |
| 5 | May 13 (Mon) | Neutron Diffusion in Nonmultiplying Equation | Exercise for P4, Homework P5 | 9 a.m., May 17 (Fri) |
| 6 | May 20 (Mon) | The One-Speed Diffusion Model of a Nuclear Reactor | Exercise for P5, Homework P6 | 9 a.m., May 24 (Fri) |
| 7 | May 27 (Mon) | Multigroup Diffusion Theory | Exercise for P6, Homework P7 | 9 a.m., May 31 (Fri) |
| 8 | June 3 (Mon) | Perturbation theory | Exercise for P7, Homework P8 | 9 a.m., June 7 (Fri) |
| 9 | June 10 (Mon) | Nuclear Reactor Kinetics | Exercise for P8, Homework P9 | 9 a.m., June 14 (Fri) |
| 10 | June 17 (Mon) | Neutron Spectrum (1) Neutron Slowing Down in Infinite Medium | Exercise for P9, Homework P10 | 9 a.m., June 21 (Fri) |
| 11 | June 24 (Mon) | Neutron Spectrum (2) Resonance Absorption | Exercise for P10, Homework P11 | 9 a.m., June 28 (Fri) |
| 12 | July 1 (Mon) | Neutron Spectrum (3) Neutron Slowing Down and Diffusion | Exercise for P11, Homework P12 | 9 a.m., July 5 (Fri) |
| 13 | July 8 (Mon) | Neutron Spectrum (4) Heteroginious Effect | Exercise for P12 Homework P13 | 9 a.m., July 12 (Fri) |
| 14 | July 15 (Mon) * ² | Core Burnup (1) Effect of Fission Products | Exercise for P13 Homework P14 | 9 a.m., July 19 (Fri) |
| | July 22 (Mon) | (Cancel) (Experiments in KUCA) | | |
| 15 | July 29 (Mon) | Core Burnup (2) Burnup Calculation, Reactivity Control, Reactivity Feedback | Exercise for P14 | -- |
| | August 5 (Mon) | Examination | ----- | |

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

*1) Our insitute has classes for Monday on May 9

*2) Our insitute has classes on July 15 though it is a national holiday.