

Schedule of Nuclear Reactor Theory II 2019 (Revised) (2019年度原子炉理論第二講義スケジュール改訂版)

| | Date | Contents | Exercise | Deadline of homework report submission |
|---|----------------|--|------------------------------|--|
| 1 | June 17 (Mon) | Perturbation theory (摂動論) | Homework P1 | 9 a.m., June 21(Fri) |
| 2 | June 24 (Mon) | Nuclear Reactor Kinetics (原子炉の動特性) | Exercise for P1, Homework P2 | 9 a.m., June 28 (Fri) |
| 3 | July 1 (Mon) | Neutron Spectrum (1) Neutron Slowing Down in Infinite Medium (中性子スペクトル(1) 中性子の減速) | Exercise for P2, Homework P3 | 9 a.m., July 5 (Fri) |
| 4 | July 8 (Mon) | (Cancel) | Exercise for P3 | --- |
| 5 | July 15 (Mon) | Neutron Spectrum (2) Resonance Absorption (中性子スペクトル(2) 共鳴吸収) | Homework P4 | 9 a.m., July 19 (Fri) |
| 6 | July 22 (Mon) | Neutron Spectrum (3) Heterogeneity Effect, Neutron Slowing Down and Diffusion, Thermal spectrum (中性子スペクトル (3) 非均質効果、中性子の減速と拡散、熱中性子理論) | Exercise for P4, Homework P5 | 9 a.m., July 26 (Fri) |
| 7 | July 29 (Mon) | Core Burnup (1) Effect of Fission Products (燃焼解析 (1) 核分裂生成物の毒作用) | Exercise for P5 | --- |
| 8 | August 5 (Mon) | Core Burnup (2) Burnup Calculation, Reactivity Control, Reactivity Feedback (燃焼解析 (2) 燃料燃焼解析、反応度制御、反応度フィードバック) | Examination (期末試験) | --- |

Lecture: 13:20-14:50 Exercise: 15:05-16:35 (Room 571, N2-bldg)

Problems of homework are provided by OCW-i. The students need to submit the reports of homework by OCW-i by the deadline.

(レポート課題はOCW-iで提示される。レポートはOCW-iによって期限まで提出すること。)