



VO Nuclear Engineering
Atominstitut TU Wien

Eileen Langegger, Helmuth Böck, Oliver Siegl, Robert Mischitz

NUCLEAR ENGINEERING I

WS 2017/2018
TU LVA Nr.: 141.032

Contacts:

Eileen Langegger: eradde@ati.ac.at

Helmuth Böck: helmuth.boeck@tuwien.ac.at

Oliver Siegl office@ingenios.at

Robert Mischitz robert.mischitz@ferrodecont.at



Content

All modules in <http://www.oektg.at/downloads/> or in TISS available

- ▶ **Module 00: Content**
- ▶ **Module 01: Basics of Nuclear Fission**
- ▶ **Module 02: Current Technologies 1**
- ▶ **Module 03: Current Technologies 2**
- ▶ **Module 04: Generation 3+**
- ▶ **Module 04: Zwentendorf, Three Mile Island Accident (TMI) and other accidents**
- ▶ **Module 05: RBMK Reactor (Chernobyl) and the Consequences of Chernobyl**
- ▶ **Module 06: Boiling Water Reactors (BWR)**
- ▶ **Module 07: Fukushima**
- ▶ **Module 08: New and Future Technologies and Generation IV**
- ▶ **Module 10: Small Modular Reactors**
- ▶ **Module 11: Radioactive Waste Management in Europe**
- ▶ **Module 12: Europe six years after Fukushima**
- ▶ **Module 13: Electricity Generation Costs**



Dates

- ▶ 5.Oct: 16:00 – 17:30
- ▶ 9.Nov: 14:15 – 17:30
- ▶ 16.Nov: 14:15 – 17:30
- ▶ 30.Nov: 14:15 – 17:30
- ▶ 14. Dec: 14:15 – 17:30
- ▶ 11. Jan: 14:15 – 17:30
- ▶ 25. Feb: tba Exam

- ▶ Exam will be in written form

Additional recommended lectures at the TU Vienna

Winter Semester:

- ▶ Reaktorphysik: Dr.Villa
- ▶ Physik von schweren Reaktorstörfällen: Dr.Sdouz
Beginn: 5.10.2017 um 12h15 st Hörsaal ATI
- ▶ Praktische Übungen am Reaktor: Dr.Villa, Doz.Böck
Vorbesprechung: 9.10.2017 um 14h Hörsaal ATI

Sommer Semester:

- ▶ Reaktortechnik 2: Dr.Villa
- ▶ Seminar aus Reaktorsicherheit: Doz. Böck, Dr.Villa
- ▶ Praktikum aus Reaktorinstrumentierung: Dr.Villa, Doz.Böck

