

NTEC COURSE SCHEDULE

Monday

9h00-10h00: Admin.Procedures, Course Introduction

10h00-10h15 Coffee Break

10h15-10h45 Introduction to the experiments

10h45-12h30 Ex. 1 and Ex. 2: Measurement of the vertical thermal neutron flux density in the reactor core; Measurement of the fast neutron flux density in the reactor core plus evaluation of the data

12h30-13h30 Lunch Break

13:30-16:00 Data evaluation, discussion of results and protocol preparation

Tuesday

09h00-09h45 Introduction to the experiments

09h45-11h00 Ex.7: Critical experiment

11h00-11h15 Coffee Break

11h15-12h00 Exp.8: Safety rod calibration in the super-critical state

12h00-13h00 Lunch break

13h00 – 14h15 Ex.10: Determination of the reactivity value of uranium fuel- and graphite elements in different core positions

14h15 – 14h30 Coffee Break

14h30-16h00 Data evaluation, discussion of results and protocol preparation

Wednesday

09h00 - 09h45 Introduction to the experiments

09h45-11h00 Ex.3: Calibration of the shim rod in the sub-critical region, Data evaluation, discussion of results and protocol preparation

11h00 – 11h15 Coffee Break

11h15 – 12h30 Ex.11: Reactor power calibration and determination of the temperature, Facility Tour

12h30 – 13h30 Lunch Break

13:30-14:45 Ex.5: Reactivity and reactor period

14h45-15h00 Coffee Break

15:00-16:00 Data evaluation, discussion of results and protocol preparation

Thursday

09h00 – 10h30 Ex.13: Introduction to Reactor Instrumentation

10h30 – 10h45 Coffee Break

10h45 – 11h30 Ex.14: Demonstration of a SPND Detector

11h30 – 12h30 Ex.12: Demonstration of a reactor pulse (live demonstration)

12h30 – 13h30 Lunch break

13h30 - 14h45 Start-up of the TRIGA reactor by individual course participants

14h45 – 15h00 Coffee Break

15h00 – 16h00 Multiple choice test

Friday

10h00 Transfer to IAEA by public transport, Meeting point after security check at checkpoint 1 to be picked up by Ms. Cagnazzo

11h00 – 12h00 IAEA Emergency Centre

12h00 – 13h30 Lunch Break