

Power System Analysis

(Modellierung und Analyse elektrischen Netze)

227-0526-00, ITET ETH Zürich**Plan for the lectures, HS 2011 (Autumn 2011)***Could be changed. Check with course assistants and course web page for changes***Room: ETZ E6**

Date	Time	Topic
21.09.2011	13 – 17 L	Chap. 1 - 4
28.09.2011	13 – 17 L	Chap. 5 -6
05.10.2011	13 – 15 L 15 - 17 E	Numerical methods (Dr. T. Demiray) Exercise 1, Power flow computation
12.10.2011	13 – 17 E	Exercise 2, Power flow computation (computer room: ETZ D96)
19.10.2011	13 – 17 L	Chap. 7 Chap. 8, Chap. 9
26.10.2011	13 – 15 L 15 – 17 E	Chap. 10, Chap. 11 Exercise 3, Short circuit currents I
02.11.2011	13 – 15 L 15 – 17 E	Chap. 11 Exercise 4, Short circuit currents II
09.11.2011	13 – 15 L 15 – 17 E	Chap. 12 Exercise 5, The synchronous machine
16.11.2011	13 – 15 L 15 – 17 E	Chap 13 Exercise 6, Stability I
23.11.2011	13 – 15 L 15 – 17 E	Chap. 14, Appendix B Exercise 7. Stability II
30.11.2011	13 – 15 L 15 – 17 E	Power Flow in Operation and Planning of Power Systems Anatomy of Blackouts Exercise 8, Voltage stability
07.12.2011	13 – 17	Excursion to Axpo, Baden
14.12.2011	13 – 17	Reserve
21.12.2011	13-17	Repetition

Compulsory participation (Testatbedingung): Exercise 2 + six out of Exercises 1 & 3-8 + Excursion

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