Fundamentals of Electrical Circuits and Systems 2
Autumn 2024
Agenda

05.11 @1:15-4:00	Lecture	Introduction, Basic concepts - circuit elements
05.11 @4:15-5:00	LTSpice	LTSpice Exercise 1: Introduction to LTSpice
12.11 @1:15-3:00	Lecture	Kirchhoff's laws, Fundamental theorems
12.11 @3:15-5:00	Exercises	Problem Sets 1 and 2
19.11 @1:15-3:00		Exam Part I (Prof. Thiran)
19.11 @3:15-4:00	Lecture	Nodal analysis, Mesh analysis
19.11 @4:15-5:00	LTSpice	LTSpice Exercise 2 : DC Analysis
26.11 @1:15-3:00	Lecture	Sinusuoidal regime: phasors, impedance, admittance
26.11 @3:15-5:00	Exercise, LTSpice	Problem Set 3, LTSpice Exercise 3: Impedance
03.12 @1:15-3:00	Lab Session	Circuits in sinusoidal regime
03.12 @3:15-4:00	Lecture	Sinusuoidal regime: Thévenin/Nortpon equivalents, Active and reactive power
03.12 @4:15-5:00	Exercise, LTSpice	Problem Set 4, LTSpice Exercise 4: Cos phi
10.12 @1:15-4:00	Lecture	Three-phase circuits 1
10.12 @4:15-5:00	Exercise	Problem Set 5
17.12 @1:15-3:00	Lecture	Three-phase circuits 2
17.12 @3:15-5:00	Exercise, LTSpice	Problem Sets 6, 7, 8, LTSpice Exercise 5: 3-phase

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