

Fundamentals of Fluid Power

Lecture- and Tutorials WS19/20

Date/ Lecturer	Monday 12:30-14:00 AH IV (2354/030)	Date/ Tutor	Tuesday 12:30-14:00 AH IV (2354/030)
07.10.2019 T. Mielke	Lecture 0: Fluid mechanics	08.10.2018 S. Geffroy	Tutorial 0: Fluid mechanics
14.10.2019 Prof. Schmitz	Lecture 1: Introduction and Fundamentals I	15.10.2018 S. Geffroy	Tutorial 1: Fundamentals I – Composition of hydraulic Systems
21.10.2019 Prof. Schmitz	Lecture 2: Fundamentals II – Hydraulic Networks	22.10.2019 S. Geffroy	Tutorial 2: Fundamentals II – Hydraulic Networks
28.10.2019 Prof. Schmitz	Lecture 3: Pressure Fluids	29.10.2019 T. Vonderbank	Tutorial 3: pressure fluids
04.11.2019 Prof. Schmitz	Lecture 4: Pumps and Motors I	12.11.2019 T. Vonderbank	Tutorial 4: Fundamentals Pumps and Motors
11.11.2019 Prof. Schmitz	Lecture 5: Pumps and Motors II	19.11.2019 S. Aengenheister	Tutorial 5: Pump control and pressure fluids
18.11.2019 Prof. Schmitz	Lecture 6: Valves I	26.11.2019 S. Aengenheister	Tutorial 6: Fundamentals valves
25.11.2019 Prof. Schmitz	Lecture 7: Valves II	03.12.2019 F. Guse	Tutorial 7: Frikadellenübung flow valves, pressure valves, accumulators
02.12.2019 Prof. Schmitz	Lecture 8: Other components	10.12.2019 F. Guse	Tutorial 8: Construction of hydraulic systems (incl. cooler, filter)
09.12.2019 Prof. Schmitz	Lecture 9: Hydraulic circuits I	17.12.2019 F. Guse	Tutorial 9: hydrostatic gearbox, power distribution
16.12.2018 Prof. Schmitz	Lecture 10: Hydraulic circuits II / Summary	07.01.2020 A. Rambaks	Tutorial 10: Hydraulic circuits & exam preparation
06.01.2020 Dr. Reinertz	Lecture 11: Pneumatics – Introduction	14.01.2020 A. Rambaks	Tutorial 11: Pneumatics – Introduction
13.01.2020 Dr. Reinertz	Lecture 12: Exergy analysis, compressors	21.01.2020 Y. Duensing	Tutorial 12: Exergy analysis
20.01.2020 Dr. Reinertz	Lecture 13: Pneumatic components	28.01.2020 Y. Duensing	Tutorial 13: Pneumatic components
27.01.2020 Dr. Reinertz	Lecture 14: Pneumatic circuits		
17.03.2020	Exam 08:30 - 11:00 (tbd/tbd)	20.03.2019	Inspection