

Manufacturing Technology I

Nr.	Thema
L1	Introduction to manufacturing technology
E1	- no exercise -
L2	Measuring and testing in manufacturing technology
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L3	Principles of machining with geometrically defined cutting edge
E3	Machinability and Machinability Testing (Part A)
L4	Cutting materials and cutting tools
E4	Machinability and Machinability Testing (Part B)
L5	Cutting materials, tools and lubricants
E5	Cutting materials
L6	Cutting criteria
E6	Influencing machining properties of various materials
L7	Manufacturing processes with geom. Defined cutting edges
E7	Economically efficient cutting conditions
L8	Applications of processes with defined cutting edge
E8	Hard Turning – Hard roller burnishing
L9	Principles of cutting with undefined cutting edges
E9	Principles of machining with geom. undef. cutting edges
E10	Preparing grinding wheels for use
L11	Grinding tools and grinding wheel preparation
E11	Designing grinding processes
L12	Processes and application examples
E12	Process monitoring
L13	Thermal excavating
E13	Excavating, thermal excavating
L14	Rapid Prototyping (RP)
E14	Chemical and electrochemical material removal