

Winter semester:

Course Title	Credit Points	Type	Study Program	Remarks
Machining Technology I	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Part of Module 1: Machining Technology
Plastics Processing Technology	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Part of Module 2: Materials Technology
Forming Technology I	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Part of Module 3: Forming Technology
Fundamentals of Robotics	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Part of Module 4: Automation and Robotics
Introduction to Finite Element Method I	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Part of Module 5: Simulation Methods in Solid Mechanics
Measurement Engineering	5,0	Lecture + Exercise	Master Manufact. Technology MMT	
Machining Process Simulation	5,0	Lecture + Exercise	Master Manufact. Technology MMT	
Basics of Materials and Technology	5,0	Lecture + Exercise	Master Manufact. Technology MMT	
Supply Chain Simulation	4,0	Lecture + Exercise	Logistics M.Sc.	Part of Module 2/6: Supply Chain Engineering
Finite Element Methods I	4,0	Lecture + Exercise	Mechanical Engineering B.Sc.	Part of Module 18/1: Simulationstechnik in der Festkörpermechanik
Supply Chain Management	4,0	Lecture + Exercise	Logistics M.Sc.	Part of Module 2/6: Supply Chain Engineering
Selected Topics in Computational Mechanics II	4,0	Lecture + Exercise	Mechanical Engineering M.Sc.	Part of Module 14
Nonlinear Finite Element Methods	4,0	Lecture + Exercise	Mechanical Engineering M.Sc.	Part of Module 9
Finite Inelasticity	4,0	Lecture + Exercise	Mechanical Engineering M.Sc.	Part of Module 5

Summer semester:

Course Title	Credit Points	Type	Study Program	Remarks
Machining Technology II	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Second Part of Module 1: Machining Technology
Materials Technology II	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Second Part of Module 2: Materials Technology
Forming Technology II	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Second Part of Module 3: Forming Technology
Automation and Handling Systems	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Second Part of Module 4: Automation and Robotics
Introduction to Finite Element Method II	5,0	Lecture + Exercise	Master Manufact. Technology MMT	Second Part of Module 5: Simulation Methods in Solid Mechanics
Advanced Simulation Techniques in Metal Forming	5,0	Lecture + Exercise	Master Manufact. Technology MMT.	
Fatigue Behavior	5,0	Lecture + Exercise	Logistics M.Sc.	
Finite Element Methods II	4,0	Lecture + Exercise	Mechanical Engineering B.Sc.	Part of Module 18/1: Simulationstechnik in der Festkörpermechanik
Supply Chain Simulation	4,0	Lecture + Exercise	Logistics M.Sc.	Part of Module 2/6 Supply Chain Engineering
Selected Topics in Computational Mechanics I	4,0	Lecture + Exercise	Mechanical Engineering M.Sc.	Part if Module 14
3D Computer Vision	5,0	Lecture + Exercise	Industrial Engineering M.Sc.	
Local Networks – Communication and Control	5,0	Lecture + Exercise	Industrial Engineering M.Sc.	