

Masterstudiengang Management and Engineering in Production Systems an der RWTH Aachen (International Academy)

PO Version 2020

Compulsory Courses										
Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
Compulsory Courses (Engineering)										
Schmitt	Schmitt	Quality Management	6	2	2	4	w	4011453	36	27
Schuh	Schuh / Stich	Industrial Logistics	5	2	1	3	s	4011473		
Brecher	Brecher	Machine Tools	5	2	2	4	w	4011460		
Bergs	Bergs	Manufacturing Technology I	5	2	2	4	w	4011458		
Bergs	Bergs	Manufacturing Technology II	5	2	2	4	s	4011447		
Schuh	Schuh	Production Management A	5	2	2	4	w	4011477		
Schuh	Schuh	Production Management B	5	2	2	4	s	4011472		
Compulsory Courses (Management)										
Letmathe	Letmathe	Finance and Accounting	5	3	2	5	s	8015422	40	34
Breuer	Breuer	Financial Management	5	2	2	4	w	8022784		
Habring	Grund	Human Resource Management	5	2	2	4	w	8018762		
N.N.	N.N.	International Business	5	3	1	4	w/s	4011505		
Letmathe	Letmathe / Kemperdick	Management Accounting	5	2	2	4	w	8022783		
Wentzel	Wentzel	Marketing Management	5	3	2	5	s	8015423		
Salge	Salge	Strategic Management	5	2	2	4	w	8016481		
Lontzek	Lontzek / Lorz	Sustainable Development and the Global Economy	5	4	0	4	w	8022785		
Elective Courses (Engineering)										
Schleifenbaum	Schleifenbaum	Additive Manufacturing: Technologies and Processes	6	2	2	4	w	4017421	12	*
Schleifenbaum	Schleifenbaum	Additive Manufacturing 2	6	2	2	4	s	4020491		
Leonhardt / Misgeld	Misgeld	Advanced Control Systems	4	2	1	3	w	6010486		
De Doncker	Wörndle	Advanced Electrical Drives	4	2	1	3	s	6017063		
Abel	Abel	Linear Control Systems	3	2	2	4	w	4011476		
Markert	Markert, Koeppel, Hesser	Computational Intelligence in Engineering	5	2	1	3	w	4021493		
Rasche	Greven / Rasche	Digital Health Engineering and Entrepreneurial Innovation	5	2	2	4	w	8024398		
Bergs	Bergs	Electric Mobility - Battery systems production for a sustainab	3	2	1	3	s	4027153		
Bergs	Bergs	Electric Mobility - Battery Production	3	2	1	3	s	4027152		
Bergs	Bergs	Electric Mobility - Li-Ion Cell Production	3	2	1	3	s	4027154		
Kowalewski	Kowalewski	Embedded Systems	6	3	3	6	s	1215690		
Schuh	Dannapfel	International Factory Planning	6	2	2	4	s	4011481		
Schröder	Schröder	Fundamentals of Lightweight Design	5	2	1	3	w	4011452		
Nitsch	Nitsch	Industrial Engineering and Ergonomics	5	2	2	4	w	4014442		
Sauer	Wilstermann	Industrial product development process - battery systems for	5	2	2	4	s	6022858		
Markert	Markert	Intelligent Monitoring of Engineering Systems	5	2	1	3	s	4021494		
N.N.	N.N.	International Business	5	3	1	4	w/s	4011505		
Häfner	Häfner / Biermann	Laser Applications	6	2	2	4	w	4022685		
Brettel	Brettel	Management and Engineering Perspectives	5	2	2	4	w	4022679		
Schleifenbaum	Schleifenbaum	Materials for Additive Manufacturing	5	2	1	3	w	4022684		
Brecher	Brecher	Mechatronics and Control Techniques for Production Plants	6	2	2	4	w	4011451		
N.N.	Rumpe	Model-based Systems Engineering	6	2	3	5	w	1222882		
Schmitt	Schmitt	Production Metrology	5	2	2	4	s	4011467		
Bergs	Wirtz	Process Analysis in Manufacturing Technology	5	2	1	3	w	4026065		
Hüsing	Hüsing	Robotic Systems	5	2	2	4	w	4018563		
Bergs	Bergs	Simulation Techniques in Manufacturing Technology (STMT)	6	2	2	4	w	4012413		
Jacobs	Jacobs	Tribology	5	2	2	4	w	4011475		
Reisgen	Reisgen	Welding and Joining Technologies	6	2	2	4	s	4011441		
German Language Course and Master's Thesis										
N.N.	N.N.	German Language Course	2	2	0	40h/3weeks		4013868	2	40h/ 3weeks
		Master Thesis	30			6 Months			30	6 Months

* The total amount of weekly contact hours (SWS) depends on the modules selected.