

## Masterstudiengang Production Systems Engineering an der RWTH Aachen (International Academy)

PO 2013

### Compulsory Courses

Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
Brecher / Bergs	Brimmers	Gear and Transmission Technology	6	2	2	4	w	4011427	41	26
Bergs	Bergs	Manufacturing Technology II	6	2	2	4	s	4011447		
Brecher	Brecher	Mechatronics and Control Techniques for Production Plants	6	2	2	4	w	4011451		
Schuh	Schuh	Production Management B	5	2	2	4	s	4011472		
Schmitt	Schmitt	Quality Management	6	2	2	4	w	4011453		
Reisgen	Reisgen	Welding and Joining Technologies	6	2	2	4	s	4011441		
N.N.	N.N.	German Language Course	6	2	0	2	sw	4013375		
		Master Thesis	30				sw		30	

### Elective Courses

Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
Schleifenbaum	Schleifenbaum	Additive Manufacturing: Technologies and Processes	6	2	2	4	w	4017421	19	*
Schleifenbaum	Schleifenbaum	Additive Manufacturing 2	6	2	2	4	s	4020491		
Lütticke	Lütticke	Advanced Software Engineering	5	2	2	4	w	4011468		
Markert	Markert, Koeppel, Hesser	Computational Intelligence in Engineering	5	2	1	3	w	4021493		
Abel	Abel	Linear Control Systems	3	2	2	4	w	4011476		
Schmitt	Permin	Digitales Produktmanagement	2	0	0	2	w	4023500		
Bergs	Grunwald	High Precision Glass Optics Manufacturing	5	2	2	4	w	4017864		
Schuh	Schuh / Stich	Industrial Logistics	5	2	1	3	s	4011473		
Markert	Markert	Intelligent Monitoring of Engineering Systems	5	2	1	3	s	4021494		
Schuh	Dannappel	International Factory Planning	6	2	2	4	s	4011481		
Jacobs	Jacobs	Machine Design Process	5	2	3	5	w	4012285		
Brecher	Brecher	Machine Tools	5	2	2	4	w	4011460		
Markert	Markert	Mechanics of Forming Processes	5	2	2	4	w	4011512		
Bergs / Eckstein	Bergs / Eckstein	Mini Thesis **	9	0	0	270	sw	4014447		
Schulz	Schulz	Modeling, Model Reduction and Simulation in Laser Processing - Laser	5	2	2	4	w/s	4013863		
Schulz	Schulz	Modeling, Model Reduction and Simulation in Laser Processing - Applications	5	2	2	4	w/s	4013864		
Markert	Markert	Molecular Mechanics and Multiscale Modelling of Materials	5	2	2	4	w	4011511		
Corves	Corves	Multibody Dynamics	5	2	2	4	s	4011462		
Schmitt	Schmitt	Production Metrology	5	2	2	4	s	4011467		
Holly	Holly / Brose / Schröder / G	Technology of extreme ultraviolet radiation	6	1	3	4	s	4028589		
Jacobs	Jacobs	Tribology	5	2	2	4	w	4011475		
N.N.	Markert	Selected Topics of Inelasticity Theory	5	2	2	4	w	4013374		

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

\*\* Only for Tsinghua University exchange Students