

MSc Production Systems Engineering

Production Systems Engineering

04.10.2012

Module	CP	WS			SS			WS			SS			SWS
		L	E	P	L	E	P	L	E	P	L	E	P	
Compulsory Courses														
Manufacturing Technology I & II	10	2	2		2	2								8
Machine Tools I & II	10	2	2		2	2								8
Production Management A & B	10	2	2		2	2								8
Welding and Joining Technologies	6				2	2								4
Quality Management	6							2	2					4
Industrial Engineering, Ergonomics and Work Organisation	6							2	2					4
Total Compulsory Courses	48													
Elective Courses														
23 CP are to be taken														
1)	Multi Body Dynamics	5	2	2										4
	Gear Technology	6	2	2										4
	Control Engineering	4	2	1										3
2)	Virtual Machine Tool	5			2	2								
	Process Chains for Application of Complex Optical Components	3			2									2
	Production Metrology	5			2	2								4
	Factory Planning	6			2	2								4
	Advanced Software Engineering	5						2	2					4
	Tribology	5						2	2					4
	Machine Design Process	5						2	2					4
3)	Modelling, Model Reduction and Simulation in Lasers Processing I	5						2	2					4
4)	Modelling, Model Reduction and Simulation in Lasers Processing II	5						2	2					4
1)	Industrial Logistics	5						2	1					3
	Total Elective Courses	23												
5)	General Technical Elective	5			2	2								4
	German Language Course	6	2	2										4
	Industrial Internship	9								9 weeks				
	Mini Thesis	9								260 h				
	Master Thesis	20								4 months				
	Total	120												

CP = Credit Points

SS = Summer Semester

WS = Winter Semester

L = Lecture

E = Excercise

P = Practical Session

SWS = Weekly Semester Hours (Semesterwochenstunden)

Remarks for students:

1) English lecture is held in summer semester

2) Virtual Machine Tools will be offered in the winter semester 2012/13 for the last time.

3) Lecture is usually organized as two-week intensive course at the end of the summer semester

4) Lecture is usually organized as two-week intensive course at the end of the winter semester

5) Can be taken from list of elective courses or from any subject of the faculty 4

Please refer to the CAMPUS regarding more detailed informaion on the curriculum.

If you have questions regarding the same please contact: s.jenssen@academy.rwth-aachen.de