

# Masterstudiengang Textile Engineering an der RWTH Aachen (IntAc)

PO 2015 - Stand: 26.02.2019

Compulsory Courses														
Modulverantwortliche	Dozenten	Module	Σ CP	V	Ü/L	Σ SWS	Sommer / Winter	Σ CP	Σ SWS	Σ CP	Σ SWS			
<b>Compulsory - Alle</b>														
Gries	Gries	Composites	6	2	2	4	s	6	4	31	23			
Schröder	Schröder / Meinke	Computational Fluid Dynamics I	4	2	1	3	s	4	3					
Abel	Abel	Control Engineering	4	2	1	3	w	4	3					
Gries	Gries	High-Performance Fibres	6	2	2	4	s	6	4					
Feldhusen	Feldhusen / Brezing	Machine Design Process	5	2	3	5	w	5	5					
Schmitt	Schmitt	Quality Management	6	2	2	4	w	6	4					
<b>Compulsory - Research</b>														
Gries	Gries	First Research Project	14	0	0	0	w	14	0	28	0			
Gries	Gries	Second Research Project	14	0	0	0	s	14	0					
<b>Compulsory - Coursework</b>														
Itskov	Itskov	Advanced Finite Element Methods for Engineers	5	2	2	4	w	5	4	16	12			
Klocke	Brumm	Gear and Transmission Technology	6	2	2	4	w	6	4					
N.A.	N.A.	Minor Research Project	5	2	2	4	w	5	4					

Elective Courses														
Modulverantwortliche	Dozenten	Module	Σ CP	V	Ü/L	Σ SWS	Sommer / Winter	Σ CP	Σ SWS	Σ CP	Σ SWS			
Schröder	Schröder / Meinke	Computational Fluid Dynamics II	3	1	1	2	w	3	2	(22 or 10)*	..			
Kampker	Kampker	Factory Planning	6	2	2	4	s	6	4					
Hachemi	Hachemi	Failure of Structures and Structural Elements	5	2	1	3	s	5	3					
Gries	Gries	Fibre Science I	3	2	0	2	w	3	2					
Gries	Gries	Fibre Science II	3	2	0	2	s	3	2					
Schröder	Schröder	Finite Element Method in Lightweight Design	5	2	1	3	s	5	3					
Schröder	Schröder	Fundamentals of Lightweight Design	5	2	2	4	w	5	4					
Piller	Piller	Innovation Management	5	3	2	5	s	5	5					
Hopmann / Veit	Hopmann / Veit	Modeling and Simulation in Textile Engineering	6	2	2	4	s	6	4					
Schmidt	Schmidt	Nonlinear Structural Mechanics	5	2	1	3	s	5	3					
Ban	Ban	Numerical Methods in Mechanical Engineering	7	3	2	5	w	7	5					
Itskov	Itskov	Practical Introduction to FEM-Software I	5	1	2	3	w	5	3					
Schmitt	Schmitt	Production Metrology	5	2	2	4	s	5	4					
Heider / Markert	Heider / Markert	Reliable Simulation in the Mechanics of Materials and Structures	6	2	2	4	s	6	4					
Gries	Cherif / Veit	Selected Topics in Textile Technology	6	4	0	4	w	6	4					
Gries	Cherif / Veit	Selected Topics in Textile Technology - Coursework	6	4	0	4	s	6	4					
Gries	Cherif / Veit	Selected Topics in Textile Technology - Research	6	4	0	4	s	6	4					
Gries	Gries / Veit	Technical Textiles	6	2	2	4	s	6	4					
Gries	Gries	Textile Technology II	6	2	2	4	s	6	4					
Gries	Gries	Textile Technology III	6	2	2	4	w	2	4					

\*The amount of credit points (CP) in electives depends on the selected focus area.

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