

## Masterstudiengang Textile Engineering an der RWTH Aachen (IntAc)

PO 2015

Compulsory Courses										
Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
<b>Compulsory - Alle</b>										
Gries	Gries	Composites	6	2	2	4	s	4011480	29	28
Abel	Abel	Linear Control Systems	5	2	2	3	w	4011476		
Gries	Gries	High Performance Fibres	6	2	2	4	s	4011478		
N.N.	N.N.	Language Course I	2	2	2	4	w	4021266		
N.N.	N.N.	Language Course II	2	2	2	4	s	4021267		
N.N.	N.N.	Language Course III	2	2	2	4	w	4021268		
Jacobs	Jacobs	Machine Design Process	6	2	3	5	w	4012285		
<b>Compulsory - Research</b>										
Gries	Gries	First Research Project	14	0	0	0	w	4014346	28	0
Gries	Gries	Second Research Project	14	0	0	0	s	4015760		
<b>Compulsory - Coursework</b>										
Itskov	Itskov	Advanced Finite Element Methods for Engineers	5	2	2	4	w	4013866	16	12
Klocke	Brumm	Gear and Transmission Technology	6	2	2	4	w	4011427		
N.A.	N.A.	Minor Research Project	5	2	2	4	w	4014345		

Elective Courses - Coursework										
Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
Schröder	Meinke	Computational Fluid Dynamics I	4	2	1	3	s	4012278	22 - 34	**
Schröder	Meinke	Computational Fluid Dynamics II	3	1	1	2	w	4012279		
Schuh	Dannapfel	International Factory Planning	6	2	2	4	s	4011481		
Gries	Gries	Faserstoffe I	3	2	0	2	w	4010859		
Gries	Gries	Faserstoffe II	3	2	0	2	s	4013363		
Schröder	Schröder	Fundamentals of Lightweight Design	5	2	1	3	w	4011452		
Schuh	Schuh / Stich	Industrial Logistics	5	2	1	3	s	4011473		
Hopmann / Veit	Hopmann / Veit	Modellbildung und Simulation in der Textiltechnik	6	2	2	4	s	4011485		
Ban	Ban	Numerical Methods in Mechanical Engineering	7	3	2	5	w	4011449		
Itskov	Itskov	Practical Introduction to FEM-Software I	5	1	2	3	w	4012292		
Schmitt	Schmitt	Quality Management	6	2	2	4	w	4011453		
Heider / Markert	Heider / Markert	Reliable Simulation in the Mechanics of Materials and Structures	6	2	2	4	s	4011496		
Gries	Cherif / Veit	Ausgewählte Themen aus der Textiltechnik	6	4	0	4	w	4015718		
Gries	Gries / Veit	Technische Textilien	6	2	2	4	s	4012458		
Gries	Gries	Textiltechnik II	6	2	2	4	s	4011484		
Gries	Gries	Textiltechnik III	6	2	2	4	w	4014290		

\*Students have to select textile related elective courses of at least 12 CP (coloured ones)

Elective Courses - Research										
Responsible for Module	Lecturers	Module	CP	L	P/L	Σ SWS	Summer / Winter	Module ID	Σ CP	Σ SWS
Pischinger	Pischinger	Alternative Vehicle Propulsion Systems	5	2	1	3	s	4011731	18 - 26	
Schröder	Schröder	Boundary-Layer Theory	3	2	-	2	s	4012280		
Schröder	Meinke	Computational Fluid Dynamics I	4	2	1	3	s	4012278		
Schröder	Meinke	Computational Fluid Dynamics II	3	1	1	2	w	4012279		
Hachemi	Hachemi	Failure of Structures and Structural Elements	5	2	1	3	s	4011486		
Gries	Gries	Faserstoffe II	3	2	0	2	s	4013363		
Schröder	Schröder	Finite Element Methods in Lightweight Design	5	2	1	3	s	4011464		
Schröder	Schröder	Fundamentals of Lightweight Design	5	2	1	3	w	4011452		
Piller	Pollok / Diener	Innovation Management	5	3	2	5	s	8015421		
Hopmann / Veit	Hopmann / Veit	Modellbildung und Simulation in der Textiltechnik	6	2	2	4	s	4011485		
Schmidt	Schmidt	Nonlinear Structural Mechanics	5	2	1	3	s	4012290		
Ban	Ban	Numerical Methods in Mechanical Engineering	7	3	2	5	w	4011449		
Itskov	Itskov	Practical Introduction to FEM-Software I	5	1	2	3	w	4012292		
Schmitt	Schmitt	Production Metrology	5	2	2	4	s	4011467		
Schmitt	Schmitt	Quality Management	6	2	2	4	w	4011453		
Gries	Cherif / Veit	Ausgewählte Themen aus der Textiltechnik	6	4	0	4	w	4015718		
Gries	Gries / Veit	Technische Textilien	6	2	2	4	s	4012458		
Gries	Gries	Textiltechnik II	6	2	2	4	s	4011484		

\*Students have to select at least one textile related elective course (coloured ones)