Global Production Engineering
Module List
Winter Semester 2025/26 - BLN

	Accr	Prog	Sem	WS 25/26	SS 26	WS 26/27	ECTS	Lecturer
Module Group A - Production								
Manufacturing and Factory Planning	MFP22	BLN	1				6	Prof. Dr.-Ing. Günther Seliger
1. Sem. Manufacturing and Factory Planning	MFP22 IV	BLN		6				Prof. Dr.-Ing. Günther Seliger
Manufacturing and Factory Planning Case Studies	MFP22 CS	BLN	2				6	Prof. Dr.-Ing. Günther Seliger
1. Sem. Manufacturing and Factory Planning Case Studies Part one	MFP22 CS I	BLN		3				Dr.-Ing. Jan Philipp Menn
2. Sem. Manufacturing and Factory Planning Case Studies Part two	MFP22 CS II	BLN			3			Dr.-Ing. Jan Philipp Menn
Manufacturing and Factory Planning Operations	MFP22 OP	BLN	1				6	Prof. Dr.-Ing. Günther Seliger
1. Sem. Manufacturing and Factory Planning Operations	MFP22 OP	BLN		6				Dr.-Ing. Jens Palacios Neffke
Production Technology	PT	BLN	2				12	Prof. Dr.-Ing. Eckart Uhlmann
1. Sem. Production Technology I	PT I VL	BLN		3				Prof. Dr.-Ing. Eckart Uhlmann
1. Sem. Production Technology Exercise	PT UE	BLN		6				Dr.-Ing. Jörg Bold / Julius Tschöpel, M.Eng.
2. Sem. Production Technology II	PT II VL	BLN			3			Prof. Dr.-Ing. Eckart Uhlmann
Additive Manufacturing	AM	BLN	1				6	Dr.-Ing. Bernd Muschard
1. Sem. Additive Manufacturing Lecture	AM VL	BLN		3				Dr.-Ing. Bernd Muschard
1. Sem. Additive Manufacturing Project Group 1	AM UE GR1	BLN		3				Dr.-Ing. Bernd Muschard
1. Sem. Additive Manufacturing Project Group 2	AM UE GR2	BLN		(3)				Dr.-Ing. Bernd Muschard
Total ECTS offered (min. 12 required):				**30**	**6**	**0**	**36**	
Module Group B - Engineering								
Digitalization and AI in Automation Engineering	DAIA	BLN	1				6	Dr.-Ing. Gregor Thiele
2. Sem. Digitalization and AI in Automation Engineering I Lecture	DAIA VL	BLN			3			Dr. Gregor Thiele, Oliver Heimann, Axel Vick
2. Sem. Digitalization and AI in Automation Engineering I Excercise	DAIA UE	BLN			3			Oliver Heimann, M.Sc. / Axel Vick, M.Sc.
Systematic Product Development	SPD17	BLN	1				6	Prof. Dr.-Ing. Dietmar Goehlich
2. Sem. Systematic Product Development	SPD17	BLN			6			Dr.-Ing. Tu-Anh Fay / Tobias Tietz, M.Sc. / Ludger Heide M.Sc.
Utilization of Wind Energy	WT22	BLN	2				12	Prof. Dr.-Ing. Paul Uwe Thamsen
2. Sem. Wind Turbines Basics	WT22 IV	BLN			6			Staffan Wiens Dipl.-Ing.
3. Sem. Wind Turbines Project	WT22 PJ	BLN				6		Staffan Wiens Dipl.-Ing.
Renewable Power Technologies	RPTG17	BLN	1				6	Dr. Emilienne Tingwey
1. Sem. Renewable Power Technologies	RPTG17 IV GR1	BLN		6				RENAC et al.
1. Sem. Renewable Power Technologies Group 2	RPTG GR2	BLN		(3)				RENAC et al.

	Accr	Prog	Sem	WS 25/26	SS 26	WS 26/27	ECTS	Lecturer
PV Systems/Solar Cells	PVSS17	BLN	1				12	Dr. Mahmoud Hussein Moamed Hussein Dr. Christof Schultz
3. Sem. PVS Solar Cells Lecture	PVSS LEC	BLN				3		Dr. Mahmoud Hussein Moamed Hussein
3. Sem. PVS Solar Cells Seminar	PVSS SE	BLN				3		Dr. Mahmoud Hussein Moamed Hussein
3. Sem. PVS Solar Cells Lab Exercise	PVSS Lab	BLN				6		Dr. Christof Schultz
Machine Learning and Mathematical Optimization for Engineering and Management	MfE17	BLN	1				6	Fabio D Andreagiovanni Ph.D.
3. Sem. Machine Learning and Mathematical Optimization for Engineering and Management	MfE17 IV	BLN				6		Fabio D Andreagiovanni Ph.D.
Advanced Recycling Technologies	TUB-ART	BLN	1				6	Prof. Dr.-Ing. Vera Susanne Rotter
3. Sem. Advanced Recycling Technologies	TUB-ART IV	BLN				6		Prof. Dr.-Ing. Vera Susanne Rotter / Albrecht Fritze
Total ECTS offered (min. 12 required):				**6**	**18**	**30**	**54**	
Module Group C - Management								
Global Production Management	GPM	GEN	2				12	Prof. Dr.-Ing. Holger Kohl
1. Sem. Global Production Management I	GPM I VL	GEN		3				Prof. Dr.-Ing. Holger Kohl
1. Sem. Performance Measurement Case Study - Exercise	GPM I LF	GEN		3				Prof. Dr.-Ing. Holger Kohl
2. Sem. Global Production Management II	GPM II VL	GEN			3			Prof. Dr.-Ing. Holger Kohl
2. Sem. Methods and Tools for Global Production Engineering - Exercise	GPM II UE	GEN			3			Dr.-Ing. Ronald Orth
Quality Management	QM	BLN	2				12	Prof. Dr.-Ing. Roland Jochem
1. Sem. Quality Management I	QM I VL	BLN		3				Prof. Dr.-Ing. Roland Jochem
1. Sem. Quality Management I Exercise	QM I UE	BLN		3				Turgut Refik Caglar, M.Sc. et al.
2. Sem. Quality Management II	QM II VL	BLN			3			Prof. Dr.-Ing. Roland Jochem
2. Sem. Quality Management II Exercise	QM II UE	BLN			3			Turgut Refik Caglar, M.Sc. et al.
Environmental Management	EM 17	BLN	1				6	Dr.-Ing. Elisabeth Strecker
1. Sem. Environmental Management	EM 17	BLN						Dr.-Ing. Elisabeth Strecker
Supply Chain Management	SCM17	BLN	2				6	Prof. Dr. Dr. habil. Dmitry Ivanov
2. Sem. Supply Chain Management	SCM17 IV	BLN			3			Prof. Dr. Dr. habil. Dmitry Ivanov
3. Sem. Supply Chain Simulation and Optimization I	SCM17 SIM I	BLN				3		Prof. Dr. Dr. habil. Dmitry Ivanov
3. Sem. Supply Chain Simulation and Optimization II	SCM17 SIM II	BLN				3		Prof. Dr. Dr. habil. Dmitry Ivanov

	Accr	Prog	Sem	WS 25/26	SS 26	WS 26/27	ECTS	Lecturer
Business Administration	BA17	BLN	1				6	Dr. Johannes von Hülsen / Dr. Marco Warsitzka
3. Sem. Business Administration - Financial Management	BA17 FM	BLN				3		Dr. Johannes von Hülsen
3. Sem. Business Administration - International Negotiation	BA17 IN	BLN				3		Dr. Marco Warsitzka
Total ECTS offered (min. 12 required):				**18**	**15**	**12**	**42**	
Module Group D - Intercultural Communication								
German for Engineers	GL18	BLN	2				6	Christoph Hauser
1. Sem. Basic German for Engineers A1	GL18-A1	BLN		3				Christoph Hauser
1. Sem. Basic German for Engineers A1+	GL18-A1+	BLN		3				Christoph Hauser
1. Sem. German for Engineers - A2	GL18-A2	BLN		3				Christoph Hauser
1. Sem. German for Engineers - B1	GL18-B1	BLN		3				Christoph Hauser
1. Sem. German for Engineers - B2	GL18-B2	BLN		3				Christoph Hauser
2. Sem. Basic German for Engineers A1+	GL18-A1+	BLN			3	(3)		Christoph Hauser
2. Sem. German for Engineers - A2	GL18-A2	BLN			3	(3)		Christoph Hauser
2. Sem. German for Engineers - B1	GL18-B1	BLN			3	(3)		Christoph Hauser
2. Sem. German for Engineers - B2	GL18-B2	BLN			3	(3)		Christoph Hauser
2. Sem. German Application Training	GL18-APPT	BLN			0	(3)		Christoph Hauser
Sustainabilty - Approaches and Tools	SAT	BLN	2				6	Dr.-Ing. Elisabeth Strecker
2. Sem. Sustainability - Approaches and Tools Group 1	SAT IV GR1	BLN			6			Dr.-Ing. Elisabeth Strecker
3. Sem. Sustainability - Approaches and Tools Group 2	SAT IV GR2	BLN				6		Dr.-Ing. Elisabeth Strecker
Project Management in International and Intercultural Environments	PMII	BLN	2				6	Dr. Wolfgang Glitscher
1. Sem. Project Management	PMII PM	BLN		3				Dr. Wolfgang Glitscher
2. Sem. International and Intercultural Project Management of PM II	PMII IIPM	BLN			3			Dr. Wolfgang Glitscher
Technology and Innovation Management	TIM	BLN	1				6	Prof. Dr. Hendrik Send
3. Sem. Technology Management	TM	BLN				3		Dr. Christian Schminder
3. Sem. Innovation Management	IM	BLN				3		Dr. Georg von Richthofen
Total ECTS offered (min. 12 required):				**18**	**21**	**12**	**24**	
Module Group E - Special Profile								
GPE Seminar for Scientific Working	GPE SFW	BLN	3				6	Prof. Dr.-Ing. Günther Seliger
1. Sem. GPE Seminar - Scientific Working I	GPE SFW I	BLN		3				Dipl.-Ing. Valentin Eingartner
3. Sem. GPE Seminar - Scientific Working II	GPE SFW II	BLN				3		Dipl.-Ing. Valentin Eingartner

	Accr	Prog	Sem	WS 25/26	SS 26	WS 26/27	ECTS	Lecturer
Methods-Time Measurement	MTM17	BLN	2				6	Dr.-Ing. Jan Philipp Menn
2. Sem. Methods-Time Measurement Seminar Group 1	MTM17 SEGR1	BLN			3			Dr.-Ing. Jan Philipp Menn
3. Sem. Methods-Time Measurement Project	MTM17 PJ	BLN				3		Dr.-Ing. Jan Philipp Menn
Lean Management	LM17	BLN	2				6	Prof. Dr.-Ing. Holger Kohl
2. Sem. Lean Management Group 1	LM17 GR1	BLN			6			Johannes Fischer Dipl.-Kfm.
3. Sem. Lean Management Group 2	LM17 GR2	BLN				(6)		Johannes Fischer Dipl.-Kfm.
Lean Production	LP17	BLN	1				6	Dr.-Ing. Jens Palacios Neffke
2. Sem. Lean Production	LP17 IV	BLN			6			Dr.-Ing. Jens Palacios Neffke
Energy Storage Technologies	TUB SEST	BLN	1				6	Prof. Dr.-Ing. Julia Kowal
2. Sem. Energy Storage Technologies Lecture	EST VL	BLN			3			Prof. Dr.-Ing. Julia Kowal
2. Sem. Energy Storage Technologies Exercise	EST EX	BLN			3			Prof. Dr.-Ing. Julia Kowal
Business Models and Entrepreneurship	BME	BLN	1				6	Dipl.-Ing. Markus Amendt
3. Sem. Sustainable Business Models and Entrepreneurship	BME IV	BLN				6		Dipl.-Ing. Markus Amendt
Enterprise Architecture and IT in the Automotive Industry	EAAI	BLN	1				6	Prof. Dr. Dieter Schacher
3. Sem. Enterprise Architecture and IT in the Automotive Industry	EAAI	BLN				6		Prof. Dr. Dieter Schacher
Simulation of Production Systems	SPS	BLN	1				6	Dr.-Ing. Bastian Schumacher
3. Sem. Production Simulation	SPS IV	BLN				6		Dr.-Ing. Bastian Schumacher
Total ECTS offered (min. 6 required):				**3**	**21**	**24**	**48**	