

# Course Scheme Master International Production Management (IMPIPM)

Re com. Term	Module Name (German)	Modul Name (English)	Institute	C/EC (1)	CM/OM (2)	Grade	Examination Form(3)	CP (4)	Course Name (German)	Course Name (English)	Course Form LV(5)	Language (6)	SWS (7)	Sem. LV
<b>Core qualification</b> Compulsory Courses: 36 LP Optional Courses: 12 LP														
1	Computer Aided Design and Computation	Computer Aided Design and Computation	M-16	C	CM	Yes	KI	6						
									Computer Aided Design and Computation	Computer Aided Design and Computation	VL	EN	2	1
									Computer Aided Design and Computation	Computer Aided Design and Computation	UE	EN	2	1
1	International Business	International Business	W-3	C	CM	Yes	KI	6						
									Business-to-Business Marketing	Business-to-Business Marketing	VL	EN	2	1
									Interkulturelles Management und Kommunikation	Intercultural Management and Communication	VL	EN	2	1
									Internationales Management	International Management	VL	EN	2	1
1	Technischer Ergänzungskurs Kernfächer für IMPIPM (laut FSPO)	Technical Complementary Course Core Studies for IMPIPM (according to Subject Specific Regulations)	M-17	EC	CM	Yes	lt. FSPO	6						
2	Rapid Production	Rapid Production	G-2	C	CM	Yes	KI	6						
									Rapid Production	Rapid Production	VL	EN	2	2
									Rapid Production	Rapid Production	SE	EN	2	2
3	Projektarbeit Internationales Produktionsmanagement	Research Project International Production Management	not defined	C	CM	Yes	PA lt. FSPO	12						
3	3D Printing Labor	3D Printing Laboratory	G-2	EC	CM	No	SA	6						
									3D Printing Labor	3D Printing Laboratory	PR	EN	3	3
3	Lasersysteme und Metallische Konstruktionswerkstoffe	Laser Systems and Metallic Materials	G-2	EC	CM	Yes	SA	6						
									Lasersystem- und -prozessstechnik	Laser Systems and Process Technologies	VL	EN	2	3
									Metallische Konstruktionswerkstoffe	Structural Metallic Materials	VL	EN	2	3
1-3	Nichttechnische Ergänzungskurse im Master	Nontechnical Elective Complementary Courses for Master	0-TUHH	C	OM			6	Selection out of Catalogue					
<b>Specialisation Management</b> Compulsory Courses: 0 LP Optional Courses: 24 LP														

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1	Produktplanung	Product Planning	W-7	EC	CM	Yes	KI	6						
									Produktplanung	Product Planning	POL	EN	3	1
									Produktplanung Seminar	Product Planning Seminar	POL	EN	2	1
1	Technologiemanagement	Technology Management	W-7	EC	CM	Yes	KI	6						
									Technologiemanagement	Technology Management	POL	EN	3	1
									Technologiemanagement Seminar	Technology Management Seminar	POL	EN	2	1
1	Umweltschutz und -management	Environmental Protection and Management	B-2	EC	CM	Yes	KI	6						
									Integrierter Umweltschutz	Integrated Pollution Control	VL	EN	2	1
									Sicherheits-, Gesundheits- und Umweltmanagement	Health, Safety and Environmental Management	VL	EN	2	1
									Sicherheits-, Gesundheits- und Umweltmanagement	Health, Safety and Environmental Management	UE	EN	1	1
1-2	Ausgewählte Themen der Betriebswirtschaftslehre (IPM)	Selected Topics of Business Administration (IPM)	W-9	EC	CM	No	KI	6						
									Investition und Finanzierung (IPM)	Corporate Finance	VL	EN	2	1
									Methodenbasiertes Projektmanagement	Project Management Methods	VL	EN	1	2
									Personalmanagement und Organisationsentwicklung (IPM)	Human Resource Management and Organization Design (IPM)	VL	EN	2	2
1-2	Ausgewählte Themen des internationalen Managements	Selected Topics of International Management	M-17	EC	OM			6						
						No	SA	2	Innovation Debates	Innovation Debates	POL	EN	2	1
						No	KI	4	Rechnungswesen	Accounting	VL	EN	2	1
											HÜ	EN	2	1
						No	HA	2	Forschungsseminar für Fortgeschrittene	Advanced Research Seminar	SE	EN	2	2
2	International Production Management and Enterprise Resource Planning: CERMEDES AG	International Production Management and Enterprise Resource Planning: CERMEDES AG	W-9	EC	CM	Yes	SA	6						
									International Production Management and Enterprise Resource Planning: CERMEDES AG	International Production Management and Enterprise Resource Planning: CERMEDES AG	SE	EN	2	2
2	Internationale Logistik und Verkehrssysteme	Internationale Logistics and Transport Systems	W-8	EC	CM	Yes	KI	6						
									Gütermobilität, Logistik, Verkehr	Mobility of Goods, Logistics, Traffic	VL	EN	2	2
									Internationale Logistik und Verkehrssysteme	International Logistics and Transport Systems	POL	EN	3	2

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2	Modul Marketing (Vertrieb und Services / Innovationsmarketing)	Module Marketing (Sales and Services / Innovation Marketing)	W-3	EC	CM	Yes	KI	6						
									Modul Marketing (Innovation Marketing / Sales and Services)	Module Marketing (Innovation Marketing / Sales and Services)	POL	EN	5	2
2	Quantitative Forschungsmethoden	Quantitative Research Methods	W-9	EC	CM	Yes	PA	6						
									Quantitative Forschungsmethoden	Quantitative Research Methods	PS	EN	3	2
2	Technology Entrepreneurship	Technology Entrepreneurship	W-11	EC	CM	Yes	SA	6						
									Creation of Business Opportunities	Creation of Business Opportunities	POL	EN	3	2
									Entrepreneurship	Entrepreneurship	VL	EN	2	2
2	Volkswirtschaftslehre und Außenwirtschaftslehre	Economics	W-4	EC	CM	Yes	KI	6						
									Außenwirtschaftslehre	International Economics	VL	EN	2	2
									Konzepte der Volkswirtschaftstheorie und -politik	Main Theoretical and Political Concepts	VL	EN	2	2
3	Corporate Entrepreneurship & Growth	Corporate Entrepreneurship & Growth	W-11	EC	CM	Yes	PA	6						
									Entrepreneurial Finance	Entrepreneurial Finance	SE	EN	2	3
									Intrapreneurship	Intrapreneurship	SE	EN	3	3
3	Führung, Organisation und Personalmanagement	Management, Organization and Human Resource Management	W-9	EC	CM	Yes	KI	6						
									Führung, Organisation und Personalmanagement	Management, Organization and Human Resource Management	VL	EN	2	3
									Führung, Organisation und Personalmanagement	Management, Organization and Human Resource Management	SE	EN	2	3
<b>Specialisation Production Technology</b> Compulsory Courses: 0 LP Optional Courses: 18 LP														
1	Angewandte Statistik für Ingenieure	Applied Statistics	M-3	EC	CM	Yes	KI	6						
									Angewandte Statistik für Ingenieure	Applied Statistics	VL	DE/EN	2	1
									Angewandte Statistik für Ingenieure	Applied Statistics	HÜ	DE/EN	1	1
									Angewandte Statistik für Ingenieure	Applied Statistics	POL	DE/EN	2	1
1-2	Ausgewählte Themen der Produktionstechnik	Selected Topics of Production Technology	M-17	EC	OM			6						
						Yes	KI	3	Aufbau und Eigenschaften der Verbundwerkstoffe	Structure and Properties of Composites	VL	EN	2	1
						Yes	MdIP	3	Ermüdung und Schadenstoleranz	Fatigue & Damage Tolerance	VL	EN	2	1
						Yes	KI	3	Fügen von Polymer-Metall Leichtbaustrukturen	Joining of Polymer-Metal Lightweight Structures	VL	EN	2	1
						Yes	MdIP	3	Leichtbaupraktikum	Lightweight Design Practical Course	POL	DE	3	2
						Yes	KI	3	Metallische Werkstoffe für Luftfahrtanwendungen	Metallic Materials for Aircraft Applications	VL	EN	2	2

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						Yes	KI	4	Zuverlässigkeit in der Maschinendynamik	Reliability in Engineering Dynamics	VL UE	EN EN	2 1	2 2
1-2	Grenzflächen und grenzflächenbestimmte Materialien	Interfaces and interface-dominated Materials	M-22	EC	CM	Yes	KI	6						
									Die hierarchischen Materialien der Natur	Nature's Hierarchical Materials	VL	EN	2	1
									Grenzflächen	Interfaces	VL	DE/EN	2	2
2	Boundary-Elemente-Methoden	Boundary Element Methods	M-16	EC	CM	Yes	MdIP	6						
									Boundary-Elemente-Methoden	Boundary Element Methods	VL	EN	2	2
									Boundary-Elemente-Methoden	Boundary Element Methods	HÜ	EN	2	2
2	High-Order FEM	High-Order FEM	M-10	EC	CM	Yes	KI	6						
									High-Order FEM	High-Order FEM	VL	EN	3	2
									High-Order FEM	High-Order FEM	HÜ	EN	1	2
2	Mechanische Eigenschaften	Mechanical Properties	M-9	EC	CM	Yes	KI	6						
									Mechanisches Verhalten spröder Materialien	Mechanical Behaviour of Brittle Materials	VL	DE/EN	2	2
									Theorie der Versetzungsplastizität	Dislocation Theory of Plasticity	VL	DE/EN	2	2
3	Intelligente Autonome Agenten und kognitive Robotik	Intelligent Autonomous Agents and Cognitive Robotics	E-16	EC	CM	Yes	KI	6						
									Intelligente Autonome Agenten und kognitive Robotik	Intelligent Autonomous Agents and Cognitive Robotics	VL	EN	2	3
									Intelligente Autonome Agenten und kognitive Robotik	Intelligent Autonomous Agents and Cognitive Robotics	UE	EN	2	3
3	Prozessautomatisierungstechnik	Industrial Process Automation	E-1	EC	CM	Yes	KI	6						
									Prozessautomatisierungstechnik	Industrial Process Automation	VL	EN	2	3
									Prozessautomatisierungstechnik	Industrial Process Automation	UE	EN	2	3
3	Robotik	Robotics	M-24	EC	CM	Yes	KI	6						
									Robotik: Modellierung und Regelung	Robotics: Modelling and Control	VL	EN	3	3
									Robotik: Modellierung und Regelung	Robotics: Modelling and Control	UE	EN	2	3
<b>Thesis</b> Compulsory Courses: 30 LP Optional Courses: 0 LP														
4	Masterarbeit	Master Thesis	not defined	C	CM	Yes	It. FSPO	30						

### Explanation:

<sup>1</sup>C=Compulsory, EC=Elective Compulsory

<sup>2</sup>CM=Compulsory Defined Module, OM=Optional Defined Module

<sup>3</sup>Re=Presentation, KI=Written exam, MdIP=Oral exam, SA=Written elaboration, KI=Written exam, It. FSPO=according to Subject Specific Regulations, HA=Homework, MdIP=Oral exam, SA=Written elaboration, PA=Project, PA

It. FSPO=Project (accord. to Subject Specific Regulations)

<sup>4</sup>CP=Credit Points

<sup>5</sup>VL=Lecture, SE=Seminar, UE=Recitation Section (small), POL=Problem-based Learning, PR=Laboratory Course, PS=Project Seminar, HÜ=Recitation Section (large)

<sup>6</sup>DE=German, EN=English, DE/EN=German and English

<sup>7</sup>SWS=Contact hours