

SEMESTER 1	Course reference	Course	ECTS / course	ECTS / module	Teacher
<b>Module 1.1</b>					
- mandatory		> all courses must be validated to validate the module		19	
	MSP-42	Project Management	4		GANTENBERG Martin
	MSP-56	Programming for Engineers (Matlab & Python)	4		KUMAR Atal
	MSP-45	Supply Chain and Logistics	4		KORNE Thomas
	MSP-11	Life Cycle Assessment and Eco Design	3		WALTERSDORFER Gregor
	MSP-50	Assembly and testing technologies	4		TENTRUP Thomas
<b>Module 1.2</b>					
- elective		> all courses must be validated to validate the module		11	
Prerequisite for module 2.2	MSP-4	Assessment of Finite Element Calculations	3		MAAS Stefan
	MSP-43	CAD and CAE	4		SELLEN Stephan
	MSP-47	Machine Design	4		WOLF Claude
					KEDZIORA Slawomir
<b>Module 1.3</b>					
- elective		> all courses must be validated to validate the module		13	
Prerequisite for module 2.2	MSP-46	Sensors & signal processing	3		MYSORE RAMA RAO Bhavani Shankar
	MSP-59	Technical Energy Systems Modeling and Simulation	4		TATARINOV Dimitri
	MICS2-8	Networking	3		ENGEL Thomas
	MICS2-7	Communication Theory	3		SORGER Ulrich

SEMESTER 2	Course reference	Course	ECTS / course	ECTS / module	Teacher
<b>Module 2.1</b>					
- mandatory		> all courses must be validated to validate the module		14	
	MSP-12	Product Planning & Marketing for Engineers	3		KÖNIG Tatjana
	MSP-32	Managerial Accounting	3		LOPATTA Kerstin
	MSP-39	Robotics	4		KUMAR Atal
	MSP-51	Programming for engineers	4		CHIH Inès
<b>Module 2.2</b>					
- elective		> all courses must be validated to validate the module		17	
Prerequisite for module 3.2	MSP-58	Laser technology for manufacturing	4		To be confirmed
	MSP-41	Digital Factory Planning	3		To be confirmed
	MSP-18	Advanced engineering materials	4		USELDINGER Ralph
	MSP-19	Machine Design Exercise	3		KEDZIORA Slawomir
	MSP-16	Advanced Control	3		To be confirmed
<b>Module 2.3</b>					
- elective		> all courses must be validated to validate the module		15	
Prerequisite for module 3.3	tbd	Networked Feedback Systems	5		TATARINOV Dimitri
	MICS2-23	Quality of service in computer networks	5		ENGEL Thomas
	MICS2-20	Information theory and coding	5		SORGER Ulrich

SEMESTER 3	Course reference	Course	ECTS / course	ECTS / module	Teacher
<b>Module 3.1</b>					
- mandatory		> all courses must be validated to validate the module		20	
	MSP-30	Advanced Project / Case Study	12		All Professors/Teachers
	MSP-38	Operational excellence	2		KOLLA Sri
	MSP-57	Integrated management systems	3		VON WACHTER Friedrich
	MSP-61	Scientific writing and presentation skills	3		MOLINA Angel
<b>Module 3.2</b>					
- elective		> all courses must be validated to validate the module		9	
	MSP-46	Sensors & signal processing	3		MYSORE RAMA RAO Bhavani Shankar
	MSP-44	Electrical Energy Production Transportation and Distribution	3		HADJI-MINAGLOU Jean-Régis
	MEEE-5	Energetics of the blast furnace	3		BANIASADI Mehdi
<b>Module 3.3</b>					
- elective		> all courses must be validated to validate the module		9	
	MSP-54	Artificial Intelligence	5		GIOVANNINI Francesco
	MSP-60	Estimation approaches in advanced engineering systems	4		CHIH Inès

SEMESTER 4	Course reference	Course	ECTS / course	ECTS / module
<b>Module 4.1</b>				
- Mandatory		Master Thesis		30
	MSP-31	Master thesis	30	