

## Studies Plan

### EDAM - Advanced Manufacturing 2023-24

#### Core courses

<b>Courses</b>				<b>Exam</b>	<b>Credit</b>
Language Code	Section	Teacher			
<b>Advanced micro-/nano- manufacturing</b> (June 19-23, 2023)					
E	MICRO-632	EDAM	Various lecturers	Written	2
<b>Design of experiments (a) - Fall semester</b> (Next time : Fall 2023)					
E	ENG-606(a)	EDRS	Fuerbringer	Project report	4
<b>Selected topics in advanced manufacturing</b>					
E	MICRO-631	EDAM	Various lecturers	Written & Oral	4

#### Other doctoral courses (EDOC)

<b>Courses</b>				<b>Exam</b>	<b>Credit</b>
Language Code	Section	Teacher			
<b>3D Printing with light</b> (Next time: Spring 2025)					
E	MICRO-722	EDPO	Moser Psaltis	Oral	1
<b>Additive Manufacturing of Metals and Alloys</b>					
E	MSE-666	EDMX	Leinenbach Logé	Oral presentation	2
<b>Fusion and industrial plasma technologies</b> (Next time: Spring 2025)					
E	PHYS-632	EDPY	Alberti Decker Hogge Howling Hursin Martin Sedláč Siravo	Oral	4
<b>Laser Materials Processing</b>					
E	MSE-662	EDMX	Hoffmann Leinenbach Wasmer	Oral	2
<b>Mathematical models in supply chain management</b>					
E	MGT-602	EDMT	Seifert	Written	4
<b>Modern photovoltaic technologies</b> (Next time June 2024 to be confirmed)					
E	PHYS-609	EDPO	Haug Heier Romanyuk	Oral presentation	2
<b>MOOC: Micro and Nanofabrication (MEMS)</b> (September 18 to November 19, 2023 - Online course (self-paced))					
E	MICRO-621	EDMI	Brugger Gijs	Oral	1
<b>Nanofabrication with focused electron and ion beams</b>					
E	MSE-619	EDMX	Hoffmann Utke	Oral presentation	2
<b>Optimal control</b> (Next time : Spring 2024)					
E	EE-715	EDEE	Faulwasser Jiang	Project report	4
<b>Powder Characterisation and Dispersion</b> (Next time 2024)					
E	MSE-709	EDMX	Sereda	Written	1

**Research seminars in Electrical Engineering - FALL***(Next time: Fall 2023)*

E	EE-625(a)	EDEE	Choo Fleury Matioli	Oral presentation	1
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**Research seminars in Electrical Engineering - SPRING***(Next time: Spring 2024)*

E	EE-625(b)	EDEE	Choo Fleury Matioli	Oral presentation	1
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**Scaling in MEMS***(4-day course - from August 28 to August 31, 2023. Room Microcity MC B1 273)*

E	MICRO-606	EDMI	Shea	Oral presentation	1
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**Scanning electron microscopy techniques (a)**

E	MSE-636(a)	EDMX	Cantoni Navratilova Oveisi	Written	1
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**Scanning electron microscopy techniques (b)**

E	MSE-636(b)	EDMX	Cantoni Navratilova Oveisi	Written	1
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**Science and technology of UV-induced polymerization***(Ne sera pas enseigné durant l'année académique 2023-2024)*

E	MSE-703	EDMX	Dalle Vacche Leterrier Nouzille Sangermano	Term paper	1
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**Soft Microsystems Processing and Devices***(February 5th, 7th, 9th, 12th, 14th and 16th, 2024)*

E	MICRO-618	EDMI	Briand Brugger Lacour Leterrier Shea Subramanian	Multiple	2
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**Master courses**

<b>Courses</b>			<b>Exam</b>	<b>Credit</b>	
Language	Code	Section	Teacher		
<b>Manufacturing systems and supply chain dynamics</b>					
E	MICRO-448	MT	Filliger Gallay	Oral	3