

Course listing

MODULE	ID	ECTS	SEMESTER
English	ME_A_05	5	Autumn
Materials properties	ME_A_06	2	Autumn
Mechanical design	ME_A_07	3	Autumn
Internship/ Professional project	ME_A_08	6	Autumn

ID:	ME_A_05		ECTS
Disciplinary field:	Mechanical Engineering		5
Module:	English		
Semester:	<i>Autumn</i>		
Teaching hours:	-	14h	14h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English

- Objective(s):
- Communicative English for industry.
- Skill(s):
-
- Prerequisite(s):
-
- Remark(s):
- For non-native speakers.

ID:	ME_A_06		ECTS
Disciplinary field:	Materials Science		2
Module:	Materials properties		
Semester:	<i>Autumn</i>		
Teaching hours:	-	14h	-
	Lectures	Tutorial classes	Practical work
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English

- Objective(s):
 - Define and use a method to select materials in design product.
 - Justify the choice of an organic polymer, a ceramic, a metal alloy or a composite in relation to the required properties, the behaviour laws and the implementation possibilities for a given application.
- Skill(s):
 - Select materials.
 - Link a scientific model to a work situation.
 - Identify the interactions at play in a system and between the system and the environment in which it is set.
 - Take materials properties and behaviours into account within a system.
- Prerequisite(s):
 - Material properties.
- Remark(s):
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ID:	ME_A_07		ECTS
Disciplinary field:	Mechanical Engineering		3
Module:	Mechanical design		
Semester:	<i>Autumn</i>		
Teaching hours:	-	-	24h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English

- Objective(s):
 - Design a mechanical system from specifications.
 - Understand the CAD process.
- Skill(s):
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- Prerequisite(s):
 - Knowledge of CAD modelling and representation modes.
- Remark(s):
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ID:	ME_A_08			ECTS
Disciplinary field:	Mechanical Engineering			6
Module:	Internship/ Professional project			
Semester:	<i>Autumn</i>			
Teaching hours:	-	-	-	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
- Develop problem-solving and team-building skills
- Skill(s):
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- Prerequisite(s):
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- Remark(s):
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