

2020 - 2021



## COURSES IN ENGLISH FOR EXCHANGE STUDENTS

### Civil Engineering CE Course listing

## Course listing

MODULE	ID	ECTS	SEMESTER	PAGE
Structural Building Work	CE_A_01	3	Autumn	2
English	CE_A_02	2	Autumn	3
Timber building	CE_A_03	3	Autumn	4
English	CE_A_04	2	Autumn	5
English	CE_S_01	2	Spring	6
English	CE_S_02	2	Spring	7

ID:	<b>CE_A_01</b>			<b>ECTS</b>
Disciplinary field:	Materials and Technology			<b>3</b>
Module:	Structural Building Work			
Semester:	<i>Autumn</i>			
Teaching hours:	10h	4h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):  
- Develop specific knowledge of the structural work of buildings and create execution plans (formwork plans).
- Skill(s):  
- Carry out the execution plans of works, structures and infrastructures, respecting current standards of representation.  
- Draw up a detailed list of the tasks corresponding to the execution of the work.  
- Offer technical solutions according to the regulations.
- Prerequisite(s):  
- Construction plan analysis.
- Remark(s):  
-

ID:	<b>CE_A_02</b>			<b>ECTS</b>
Disciplinary field:	Civil engineering			2
Module:	English			
Semester:	<i>Autumn</i>			
Teaching hours:	0h	16h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English	

- Objective(s):  
- Describe buildings and structures in urban environments.
- Skill(s):  
- Express ideas in oral and written form.  
- Understand audio-visual and written resources.
- Prerequisite(s):  
- Basic grammar and vocabulary.
- Remark(s):  
- For non-native speakers.

ID:	<b>CE_A_03</b>			<b>ECTS</b>
Disciplinary field:	Materials and Technology			<b>3</b>
Module:	Timber building			
Semester:	<i>Autumn</i>			
Teaching hours:	6h	8h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Understand the mechanical properties of wood and the principles of wooden frame stability and bracing of buildings.
  - Be able to size a simple wooden structure.
- Skill(s):
  - Design a wooden structure and calculate the structural resistance with adapted software (autodesk robot structural analysis).
- Prerequisite(s):
  - Basic principles of mechanical structure calculation.
- Remark(s):
  -

ID:	<b>CE_A_04</b>			<b>ECTS</b>
Disciplinary field:	Civil engineering			2
Module:	English			
Semester:	<i>Autumn</i>			
Teaching hours:	0h	16h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English	

- Objective(s):  
- Describe complex technical projects and participate in professional situations (meeting, telephone conversation)..
- Skill(s):  
- Express ideas in oral and written form.  
- Understand audio-visual and written resources.
- Prerequisite(s):  
- Intermediate level grammar and vocabulary.
- Remark(s):  
- For non-native speakers.

ID:	<b>CE_S_01</b>			<b>ECTS</b>
Disciplinary field:	Civil engineering			2
Module:	English			
Semester:	Spring			
Teaching hours:	0h	16h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English	

- Objective(s):  
- Describe infrastructure projects and worksites.
- Skill(s):  
- Express ideas in oral and written form.  
- Understand audio-visual and written resources.
- Prerequisite(s):  
- Basic grammar and vocabulary.
- Remark(s):  
- For non-native speakers.

ID:	<b>CE_S_02</b>			<b>ECTS</b>
Disciplinary field:	Civil engineering			2
Module:	English			
Semester:	Spring			
Teaching hours:	0h	16h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English	

- Objective(s):  
- Describe and analyze a complex technical problem.
- Skill(s):  
- Express ideas in oral and written form.  
- Understand audio-visual and written resources.
- Prerequisite(s):  
- Intermediate level grammar and vocabulary.
- Remark(s):  
- For non-native speakers.