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# ENGINEERING PROGRAMME

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2023-2024

Year 2 - Initial training

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PROGRAMME SUPERVISOR

Jean-Marie NORMAND



# Autumn Semester

Course unit	ECTS Credits	Course type	Course code	Title
SKS7	2	Elective courses	SOFTSKILLS	See soft skills syllabus
UE71	1	Core course	EPSS79	Sports and Physical Education
		Elective courses	LVC	Modern languages 2 (Chinese - English - German - Italian - Japanese - Russian - Spanish)
		Elective courses	LVO	Modern languages 1 (English - French Foreign Language)
UE72	2	Core course	ENGKIT2	Civic engagement 2
UE73	12	Elective courses	OD	See specialisation option syllabus
UE74	13	Elective courses	OD	See specialisation option syllabus

# Spring Semester

Course unit	ECTS Credits	Course type	Course code	Title
UE81	1			
		Core course	EPSS810	Physical Education & Sports
		Elective courses	LVC	Modern languages 2 (Chinese - English - German - Italian - Japanese - Russian - Spanish)
		Elective courses	LVO	Modern languages 1 (English - French Foreign Language)
UE82	2			
		Core course	ENGCIT3	Civic engagement 3
UE83	14			
		Elective courses	OD	See specialisation option syllabus
UE84	13			
		Core course	STING	Engineering Internship

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### German [ALLS7]

*LEAD PROFESSOR(S): Katja BORCK*

#### Objectives

The students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level as well as on a professional level - corresponding to a B2 level according to the CEFRL standards) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing, text production.

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using different types of media and real-life situations.

#### Course material

Bibliography (English version)

Preparation manuals for the various foreign language certificates & specific preparation manuals for language use in job-related contexts. Written and televised press, various internet sources, general civilization documents, digital tools, excerpts of movies and television series, music and literature.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
German	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

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Year 2 - Autumn Semester - UE71

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*LEAD PROFESSOR(S): Katja BORCK*

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#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
German	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

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# ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

## English [ANGS7]

LEAD PROFESSOR(S): Matthew BEALL

### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

The activities and projects at the heart of the program give a framework for communication and, often, a specific method to follow. In this way, transferable skills honed in the English language are the main takeaways of these classes.

Certain objectives are common to each year's focus:

- Asking thought-provoking questions
- Assembling and distributing coherent resources in a timely manner
- Choosing interesting topics
- Collaborating with others
- Concluding meaningfully
- Conducting relevant research
- Describing how something will solve a problem or take advantage of an opportunity
- Developing vocally-inflection, pronunciation, pitch, pace, pause, volume
- Distinguishing between a discussion and a debate
- Gathering useful information with your questions
- Highlighting your relevant background information/expertise
- Identifying a problem/opportunity
- Improvising pertinent follow-up questions
- Listening actively
- Making your contributions interactive whenever possible
- Participating actively in discussions
- Performing qualitative analysis
- Presenting in a clear and engaging manner
- Revealing group/individual beliefs, feelings and attitudes when appropriate
- Studying rhetorical devices for persuasion
- Sustaining discussions
- Taking thorough notes
- Understanding verbal and non-verbal cues

### Course contents

Course content changes each year based on the following table

Year A  
Conference Organization

Year B

Focus Groups

Year C  
Making a Pitch

## Course material

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Authentic written, televised, internet documents, as well as digital tools.

## Assessment

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Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

# ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

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LEAD PROFESSOR(S): Matthew BEALL

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Authentic written, televised, internet documents, as well as digital tools.

## Assessment

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Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Chinese [CHIS7]

*LEAD PROFESSOR(S): Jianping GUNST*

#### Objectives

Know how to cope in everyday situations. Furthering the concepts covered in previous classes. Acquire a certain level of knowledge of grammar and vocabulary.

Discover Chinese culture and society with videos and films.

Continue to study this language through various activities: grammar exercises, writing in Chinese, performing a skit, watching films and videos.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Méthode d'Initiation à la Langue et à l'Écriture chinoises (Joël Bellassen). Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Chinese	-	0 hrs	32 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

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*LEAD PROFESSOR(S): Jianping GUNST*

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#### Assessment

Individual assessment: EVI 1 (coefficient 1)

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Year 2 - Autumn Semester - UE71

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LEAD PROFESSOR(S): Matthew BEALL

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## Assessment

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Individual assessment: 1 1 (coefficient 1)

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Authentic written, televised, internet documents, as well as digital tools.

## Assessment

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Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

# Sports and Physical Education [EPSS79]

*LEAD PROFESSOR(S): Gildas GUIHENEUF-LALERE / Grégory GARNIER*

### Objectives

Sport as a:

- counterbalancing element, promoting physical and moral health (general physical preparation)
- group-building element through team activities promoting the development of the notions of cooperation, opposition, mutual aid, confidence...
- as a factor of autonomy and balance.

### Course contents

- Take an active role in one's training by choosing one's sport
- Understand and assimilate the physiology of effort
- Design, evaluate and regulate learning situations
- Organize the work and production of others

### Course material

### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	30 hrs	0 hrs	0 hrs	0 hrs

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Year 2 - Autumn Semester - UE71

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### Assessment

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LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	30 hrs	0 hrs	0 hrs	0 hrs

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Year 2 - Autumn Semester - UE71

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French	-	0 hrs	30 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Spanish [ESPS7]

*LEAD PROFESSOR(S): Josep PINYOL VIDAL / Marta HERRERA*

#### Objectives

Acquisition and reinforcement of the 4 competencies in written and oral expression & comprehension.

Acquisition of vocabulary, syntax and pronunciation by both traditional means and through the use of digital resources.

Discovery of the Spanish-speaking worlds.

#### Course contents

##### Methods

individual and group production & presentations

Written, digital and audiovisual tools

##### Contents

2 communicational approaches:

1- Monographical lectures on various engineering specialisations with active contribution from the students (debating, group and individual production and presentations).

2- Multi-week projects on corporate cultures, engineering and techniques in Spanish-speaking cultures. Virtual---but realistic---projects producing the theoretical implementation of a professional activity.  
Public presentations of the results.

##### Assessment:

Evaluation of in-class activities.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Spanish	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

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Year 2 - Autumn Semester - UE71

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#### Assessment:

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### Course material

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### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Spanish	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

# French Foreign Language [FLES7]

*LEAD PROFESSOR(S): Silvia ERTL*

### Objectives

The objective is to familiarise the learner with the French language and French culture through an entertaining task-based approach.

### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

The classes are organised into workshops to alternate work on the four language skills in level groups.

Workshops:

- CVs/ cover letters / job interviews / elevator pitch

Write a CV and cover letter work on specific vocabulary. Prepare a job interview.

Production: Job offers / ready to go applications

- TFI diploma:

Specific preparation for students who have not obtained B2 certification.

### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, specific documents, digital tools.

### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

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Year 2 - Autumn Semester - UE71

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Write a CV and cover letter work on specific vocabulary. Prepare a job interview.

Production: Job offers / ready to go applications

- TFI diploma:

Specific preparation for students who have not obtained B2 certification.

### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, specific documents, digital tools.

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Italian [ITAS7]

*LEAD PROFESSOR(S): Annunziata CALECA*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Italian [ITAS7]

*LEAD PROFESSOR(S): Annunziata CALECA*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Italian [ITAS7]

*LEAD PROFESSOR(S): Annunziata CALECA*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Japanese [JAPS7]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	32 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Japanese [JAPS7]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	32 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Japanese [JAPS7]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	32 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Russian [RUSS7]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Russian [RUSS7]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE71

### Russian [RUSS7]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE72

### Civic engagement 2 [ENGCIT2]

*LEAD PROFESSOR(S): Georges SALAMEH*

#### Objectives

This is a voluntary, unpaid commitment which benefits a community outside the school. In the service of the general interest, it can be carried out with:

- an association (NB school association: derogation required)
- a local authority (town hall, local council, 'département', region)
- a public establishment (museum, middle school, high school, prison, etc.)

and in 9 main areas: culture and leisure, international development and humanitarian action, education for all, environment, emergency response in case of crisis, memory and citizenship, health, solidarity, sport.

#### Course contents

How does it work?

- Compulsory activity, in addition to the first year internship
- Duration: 100 hours (either in one shot - e.g. one month during the holidays, or on a weekly basis)
- Subject to tutor approval, it can be split into two or more projects.

Project approval (30h accepted by the tutor) before the jury of S5; completion of 80 hours before the jury of S7; completion of 100 hours before the jury E12

#### Course material

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Autumn Semester - UE72

### Civic engagement 2 [ENGCIT2]

*LEAD PROFESSOR(S): Georges SALAMEH*

#### Objectives

This is a voluntary, unpaid commitment which benefits a community outside the school. In the service of the general interest, it can be carried out with:

- an association (NB school association: derogation required)
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#### Course contents

How does it work?

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Project approval (30h accepted by the tutor) before the jury of S5; completion of 80 hours before the jury of S7; completion of 100 hours before the jury E12

#### Course material

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### German [ALLS8]

*LEAD PROFESSOR(S): Katja BORCK*

#### Objectives

The students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level as well as on a professional level - corresponding to a B2 level according to the CEFRL standards) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing, text production.

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using different types of media and real-life situations.

#### Course material

Preparation manuals for the various foreign language certificates & specific preparation manuals for language use in job-related contexts. Written and televised press, various internet sources, general civilization documents, digital tools, excerpts of movies and television series, music and literature.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
German	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### German [ALLS8]

*LEAD PROFESSOR(S): Katja BORCK*

#### Objectives

The students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level as well as on a professional level - corresponding to a B2 level according to the CEFRL standards) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

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Written: multiple choice, gap filling, rephrasing, text production.

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#### Course material

Preparation manuals for the various foreign language certificates & specific preparation manuals for language use in job-related contexts. Written and televised press, various internet sources, general civilization documents, digital tools, excerpts of movies and television series, music and literature.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
German	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### German [ALLS8]

*LEAD PROFESSOR(S): Katja BORCK*

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#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
German	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### English [ANGS8]

*LEAD PROFESSOR(S): Matthew BEALL*

#### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

The activities and projects at the heart of the program give a framework for communication and, often, a specific method to follow. In this way, transferable skills honed in the English language are the main takeaways of these classes.

Certain objectives are common to each year's focus:

- Asking thought-provoking questions
- Assembling and distributing coherent resources in a timely manner
- Choosing interesting topics
- Collaborating with others
- Concluding meaningfully
- Conducting relevant research
- Describing how something will solve a problem or take advantage of an opportunity
- Developing vocally-inflection, pronunciation, pitch, pace, pause, volume
- Distinguishing between a discussion and a debate
- Gathering useful information with your questions
- Highlighting your relevant background information/expertise
- Identifying a problem/opportunity
- Improvising pertinent follow-up questions
- Listening actively
- Making your contributions interactive whenever possible
- Participating actively in discussions
- Performing qualitative analysis
- Presenting in a clear and engaging manner
- Revealing group/individual beliefs, feelings and attitudes when appropriate
- Studying rhetorical devices for persuasion
- Sustaining discussions
- Taking thorough notes
- Understanding verbal and non-verbal cues

#### Course contents

Course content changes each year based on the following table

Year A  
Conference Organization

Year B  
Focus Groups

Year C  
 Making a Pitch

## Course material

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Authentic written, televised, internet documents, as well as digital tools.

## Assessment

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Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### English [ANGS8]

*LEAD PROFESSOR(S): Matthew BEALL*

#### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

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- Studying rhetorical devices for persuasion
- Sustaining discussions
- Taking thorough notes
- Understanding verbal and non-verbal cues

#### Course contents

Course content changes each year based on the following table

Year A  
Conference Organization

Year B  
Focus Groups

Year C  
Making a Pitch

## Course material

---

Authentic written, televised, internet documents, as well as digital tools.

## Assessment

---

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Chinese [CHIS8]

*LEAD PROFESSOR(S): Jianping GUNST*

#### Objectives

Have a certain degree of fluency in oral expression. Master fundamental structures. Acquisition of everyday vocabulary. To have knowledge of Chinese life.

To work in groups on grammar exercises and to make a presentation in Chinese on a topic of Chinese society.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Méthode d'Initiation à la Langue et à l'écriture chinoises (Joël Bellassen)

Press and internet, on Chinese culture

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Chinese	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Chinese [CHIS8]

*LEAD PROFESSOR(S): Jianping GUNST*

#### Objectives

Have a certain degree of fluency in oral expression. Master fundamental structures. Acquisition of everyday vocabulary. To have knowledge of Chinese life.

To work in groups on grammar exercises and to make a presentation in Chinese on a topic of Chinese society.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Méthode d'Initiation à la Langue et à l'écriture chinoises (Joël Bellassen)

Press and internet, on Chinese culture

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Chinese	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Chinese [CHIS8]

*LEAD PROFESSOR(S): Jianping GUNST*

#### Objectives

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#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

#### Course material

Méthode d'Initiation à la Langue et à l'écriture chinoises (Joël Bellassen)

Press and internet, on Chinese culture

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Chinese	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### English [ENGS8]

LEAD PROFESSOR(S): Matthew BEALL

#### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

The activities and projects at the heart of the program give a framework for communication and, often, a specific method to follow. In this way, transferable skills honed in the English language are the main takeaways of these classes.

Certain objectives are common to each year's focus:

- Asking thought-provoking questions
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#### Course contents

Course content changes each year based on the following table

Year A  
Conference Organization

Year B  
Focus Groups

Year C

Making a Pitch

## Course material

---

Authentic written, televised, internet documents, as well as digital tools.

## Assessment

---

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### English [ENGS8]

*LEAD PROFESSOR(S): Matthew BEALL*

#### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

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#### Course contents

Course content changes each year based on the following table

Year A  
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Year B  
 Focus Groups

Year C

Making a Pitch

## Course material

---

Authentic written, televised, internet documents, as well as digital tools.

## Assessment

---

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### English [ENGS8]

*LEAD PROFESSOR(S): Matthew BEALL*

#### Objectives

Course description :

In short, these classes' aim is to maintain English language knowledge while improving certain speaking skills that will render communication more fluid, both inside and outside the professional world.

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- Sustaining discussions
- Taking thorough notes
- Understanding verbal and non-verbal cues

#### Course contents

Course content changes each year based on the following table

Year A  
Conference Organization

Year B  
Focus Groups

Year C

Making a Pitch

## Course material

---

Authentic written, televised, internet documents, as well as digital tools.

## Assessment

---

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
English	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

# Physical Education & Sports [EPSS810]

*LEAD PROFESSOR(S): Gildas GUIHENEUF-LALERE / Grégory GARNIER*

### Objectives

Sports and physical education contribute significantly to an engineer's physical, psychological, social and intellectual development, as well as to his/her general well being. These activities:

- strengthen self-esteem,
- trigger a sense of competition and solidarity, team spirit and the desire to succeed,
- prepare for the demands of a career by fostering team and individual initiative,
- encourage a sense of responsibility related to positive characterisation and identity.

### Course contents

Sports and physical education develop social communication through:

- various team activities (on small and large fields),
- autonomy projects (TA),
- physiological-directed activities (development of cardiopulmonary and muscular functions),
- organisation of sports events

### Course material

### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

# Physical Education & Sports [EPSS810]

*LEAD PROFESSOR(S): Gildas GUIHENEUF-LALERE / Grégory GARNIER*

### Objectives

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- strengthen self-esteem,
- trigger a sense of competition and solidarity, team spirit and the desire to succeed,
- prepare for the demands of a career by fostering team and individual initiative,
- encourage a sense of responsibility related to positive characterisation and identity.

### Course contents

Sports and physical education develop social communication through:

- various team activities (on small and large fields),
- autonomy projects (TA),
- physiological-directed activities (development of cardiopulmonary and muscular functions),
- organisation of sports events

### Course material

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

# Physical Education & Sports [EPSS810]

*LEAD PROFESSOR(S): Gildas GUIHENEUF-LALERE / Grégory GARNIER*

### Objectives

Sports and physical education contribute significantly to an engineer's physical, psychological, social and intellectual development, as well as to his/her general well being. These activities:

- strengthen self-esteem,
- trigger a sense of competition and solidarity, team spirit and the desire to succeed,
- prepare for the demands of a career by fostering team and individual initiative,
- encourage a sense of responsibility related to positive characterisation and identity.

### Course contents

Sports and physical education develop social communication through:

- various team activities (on small and large fields),
- autonomy projects (TA),
- physiological-directed activities (development of cardiopulmonary and muscular functions),
- organisation of sports events

### Course material

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Spanish [ESPS8]

*LEAD PROFESSOR(S): Josep PINYOL VIDAL / Marta HERRERA*

#### Objectives

Acquisition and reinforcement of the 4 competencies in written and oral expression & comprehension.

Acquisition of vocabulary, syntax and pronunciation by both traditional means and through the use of digital resources.

Discovery of the Spanish-speaking worlds.

#### Course contents

##### Methods

individual and group production & presentations  
Written, digital and audiovisual tools

##### Contents

2 communicational approaches:

1- Monographical lectures on various engineering specialisations with active contribution from the students (debating, group and individual production and presentations).

2- Multi-week projects on corporate cultures, engineering and techniques in Spanish-speaking cultures. Virtual---but realistic---projects producing the theoretical implementation of a professional activity.  
Public presentations of the results.

##### Assessment:

Evaluation of in-class activities.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Spanish	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Spanish [ESPS8]

*LEAD PROFESSOR(S): Josep PINYOL VIDAL / Marta HERRERA*

#### Objectives

Acquisition and reinforcement of the 4 competencies in written and oral expression & comprehension.

Acquisition of vocabulary, syntax and pronunciation by both traditional means and through the use of digital resources.

Discovery of the Spanish-speaking worlds.

#### Course contents

##### Methods

individual and group production & presentations  
Written, digital and audiovisual tools

##### Contents

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Public presentations of the results.

##### Assessment:

Evaluation of in-class activities.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Spanish	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Spanish [ESPS8]

*LEAD PROFESSOR(S): Josep PINYOL VIDAL / Marta HERRERA*

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1- Monographical lectures on various engineering specialisations with active contribution from the students (debating, group and individual production and presentations).

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Public presentations of the results.

##### Assessment:

Evaluation of in-class activities.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Spanish	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### French Foreign Language [FLES8]

*LEAD PROFESSOR(S): Silvia ERTL*

#### Objectives

The objective is to familiarise the learner with the French language and French culture through an entertaining task-based approach.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

The classes are organised into workshops to alternate work on the four language skills in level groups.

Workshops:

- CVs/ cover letters / job interviews / elevator pitch

Write a CV and cover letter work on specific vocabulary. Prepare a job interview.

Production: Job offers / ready to go applications

- TFI diploma:

Specific preparation for students have not obtained B2 certification.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### French Foreign Language [FLES8]

*LEAD PROFESSOR(S): Silvia ERTL*

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#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Italian [ITAS8]

*LEAD PROFESSOR(S): Annunziata CALECA*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Italian [ITAS8]

*LEAD PROFESSOR(S): Annunziata CALECA*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

# ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

## Italian [ITAS8]

*LEAD PROFESSOR(S): Annunziata CALECA*

### Objectives

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Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Italian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Japanese [JAPS8]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Japanese [JAPS8]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

#### Course contents

The course activities cover a whole range of practical language and communication exercises that span written and oral comprehension and expression.

Written: multiple choice, gap filling, rephrasing;

Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Japanese [JAPS8]

*LEAD PROFESSOR(S): Kyoko LEVACHER / Yukie NAKAO*

#### Objectives

The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

Preparation manuals for the various foreign language certificates.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Japan	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Russian [RUSS8]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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Oral: awareness of registers, intonation, syntax as it applies to different situations, debates, study of unique situations, linguistic consequences of cultural differences, using media, telephoning.

#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: 1 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Russian [RUSS8]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

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#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE81

### Russian [RUSS8]

*LEAD PROFESSOR(S): Larissa GEORGET*

#### Objectives

As well as for preparing the certificates required in English (or French as a foreign language), the students will learn basic communication skills (enough to communicate on a daily basis at a non-specialist level) including the comprehension of the particular country's social, political and cultural context through written and televised press in their chosen language. The acquisition and reinforcement of basic vocabulary, syntax, and pronunciation by both traditional means and using multimedia resources. The teaching approach is 'communicative' meaning that the language is not only the subject matter of the course, it is also a means of communication.

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#### Course material

Preparation manuals for the various foreign language certificates. Written and televised press, internet, general civilization documents, digital tools.

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
Russian	-	0 hrs	8 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE82

### Civic engagement 3 [ENGCIT3]

*LEAD PROFESSOR(S): Georges SALAMEH*

#### Objectives

This is a voluntary, unpaid commitment which benefits a community outside the school. In the service of the general interest, it can be carried out with:

- an association (NB school association: derogation required)
- a local authority (town hall, local council, 'département', region)
- a public establishment (museum, middle school, high school, prison, etc.)

and in 9 main areas: culture and leisure, international development and humanitarian action, education for all, environment, emergency response in case of crisis, memory and citizenship, health, solidarity, sport.

#### Course contents

How does it work?

- Compulsory activity, in addition to the first year internship
- Duration: 100 hours (either in one shot - e.g. one month during the holidays, or on a weekly basis)
- Subject to tutor approval, it can be split into two or more projects.

Project approval (30h accepted by the tutor) before the jury of S5; completion of 80 hours before the jury of S7; completion of 100 hours before the jury E12

#### Course material

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE82

### Civic engagement 3 [ENGCIT3]

*LEAD PROFESSOR(S): Georges SALAMEH*

#### Objectives

This is a voluntary, unpaid commitment which benefits a community outside the school. In the service of the general interest, it can be carried out with:

- an association (NB school association: derogation required)
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- a public establishment (museum, middle school, high school, prison, etc.)

and in 9 main areas: culture and leisure, international development and humanitarian action, education for all, environment, emergency response in case of crisis, memory and citizenship, health, solidarity, sport.

#### Course contents

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Project approval (30h accepted by the tutor) before the jury of S5; completion of 80 hours before the jury of S7; completion of 100 hours before the jury E12

#### Course material

#### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE84

# Engineering Internship [STING]

*LEAD PROFESSOR(S): Jean-Marie NORMAND*

### Objectives

This internship which is carried out at the end of the second year is linked to the specialization, which means that the subject has to be in line with its curriculum. This internship can be done in a company, in a research lab or in a research institution.

### Course contents

The internship should last at least 20 weeks. It can be undertaken in France or abroad.

### Course material

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs

## ENGINEERING PROGRAMME - Initial training

Year 2 - Spring Semester - UE84

# Engineering Internship [STING]

LEAD PROFESSOR(S): Jean-Marie NORMAND

### Objectives

This internship which is carried out at the end of the second year is linked to the specialization, which means that the subject has to be in line with its curriculum. This internship can be done in a company, in a research lab or in a research institution.

### Course contents

The internship should last at least 20 weeks. It can be undertaken in France or abroad.

### Course material

### Assessment

Individual assessment: EVI 1 (coefficient 1)

LANGUAGE OF INSTRUCTION	ECTS CREDITS	LECTURES	TUTORIALS	LAB	PROJECT	EXAM
French	-	0 hrs	0 hrs	0 hrs	0 hrs	0 hrs