
ENGINEERING PROGRAMME

2023-2024
Year 3

PROGRAMME SUPERVISOR
Jean-Marie NORMAND



PROGRAMME ENGINEERING PROGRAMME - Year 3

Autumn Semester

Course unit	ECTS Credits	Course type	Course code	Title
UE91	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)
UE92	4	Elective courses	OP	See professional option syllabus
UE93	12	Elective courses	OD	See specialisation option syllabus
UE94	13	Elective courses	OD	See specialisation option syllabus

Spring Semester

Course unit	ECTS Credits	Course type	Course code	Title
UE101	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)
UE102	1			
		Elective courses	OP	See professional option syllabus
UE103	14			
		Elective courses	OD	See specialisation option syllabus
UE104	14			
		Core course	TFE	Final year internship

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

German [ALLS9]

LEAD PROFESSOR(S): Katja BORCK

Objectives

The students will learn 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 CEFR 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: 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

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

English [ANGS9]

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

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	16 hrs	0 hrs	0 hrs	0 hrs

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

Chinese [CHIS9]

LEAD PROFESSOR(S): Jianping GUNST

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, Numerical tools.

Assessment

Individual assessment: EVI 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

Year 3 - Autumn Semester - UE91

English [ENGS9]

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
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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: 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

Year 3 - Autumn Semester - UE91

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: EVI 1 (coefficient 1)

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

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

Spanish [ESPS9]

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 productions & presentations

Written, digital and audiovisual tools

Contents

2 communicational approaches:

1- Monographical lectures on various engineering specialisations with active contributions of the students (debating, group and individual productions 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 the 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	16 hrs	0 hrs	0 hrs	0 hrs

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

French Foreign Language [FLES9]

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.

French as a Foreign Language:

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

Workshops:

- Theatre / song / oral expression / phonetics
- Film / cinema
- Media / oral comprehension (TV-radio)
- Written expression / news writing
- Grammar games
- Interculturalism / advertising / language register / idiomatic expressions
- CVs/ cover letters / job interviews / telephone skills

- TFI diploma; Common theme linking the workshops: grammar items.

1) Theatre (all levels).

Work based on plays (Molière, Cyrano) with emphasis on phonetics. Beginner level: simple dialogue, production and roleplays.

Production: Arts column - video, reviews.

2) Cinema (advanced level):

Multimodal interpretation of a selection of French films (L'Auberge Espagnole, Entre les murs, Ressources Humaines, etc.);

Description of images, analysis, interaction (gestures etc); Production: Arts column cinema reviews, surveys, visit or exchange with ESMA film school.

3) Media (all levels):

Listening exercises adapted to different levels Advanced level: work on caricatures (les Guignols). Production: quiz or crosswords, Web-TV

4) Written expression (all levels):

Work on the different columns of a newspaper and the specific vocabulary, according to the group level.; Production: articles, ads

5) Grammar games (all levels):

Grammar work essentially using teaching aids, according to the group level. Production: interactive platform game.

6) Interculturalism (advanced level):

Explore and debate cultural differences.; Work on language register and idiomatic expressions through advertising. Production: advertising inserts, debates, Web-TV.

7) Job applications job interview (French as a second language students):

Write a CV and cover letter work on specific vocabulary. Prepare a job interview.; Production: Job offers / ready to go applications

8) TFI (all levels):

Familiarise with the B2 certification format. Alongside workshops work on field experiences:

- Linguistic challenges <https://monnantesamoi.wordpress.com>
- photo rally and information on monuments
- weekend activity log
- cinema and theatre outings + reviews and/or interviews
- photo exhibitions with textual descriptions
- surveys (student / leisure / holiday budgets)

- sketches on the theme French characters

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
French	-	0 hrs	16 hrs	0 hrs	0 hrs	0 hrs

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

Italian [ITAS9]

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, Numerical 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

Year 3 - Autumn Semester - UE91

Japanese [JAPS9]

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	32 hrs	0 hrs	0 hrs	0 hrs

ENGINEERING PROGRAMME

Year 3 - Autumn Semester - UE91

Russian [RUSS9]

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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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

! - Méthode de russe pour les adultes.

Auteur : S. Chernyshov, A. Chernyshova

KOHTAKT- Méthode de russe pour débutants. Langue et civilisation. Auteur : Zeltchenko Maria,

Russe - Cahier d'activités pour apprendre et réviser

Niveau A1-A2 Auteur : Annie Tchernychev

Ruslan 1 Auteur: Langran John / Vashinyeva Natalya

My russian friend de Maria Zagrebelnaya,

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

Year 3 - Spring Semester - UE101

German [ALLS10]

LEAD PROFESSOR(S): Katja BORCK

Objectives

The students will learn 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 CEFR 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: 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

Year 3 - Spring Semester - UE101

English [ANGS10]

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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- Conducting relevant research
- Describing how something will solve a problem or take advantage of an opportunity
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- 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

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

Year 3 - Spring Semester - UE101

Chinese [CHIS10]

LEAD PROFESSOR(S): Jianping GUNST

Objectives

To be able to understand the recorded dialogues more easily, to improve the capacity of reading and written expression. Learn to communicate more easily. Acquisition and reinforcement of vocabulary, syntax and pronunciation by traditional means and using multimedia resources on the social, political and cultural context. Continuation of the preparation of HSK.

Course contents

Texts et HSK 2- 3
 Reading and listening.

Course material

HSK and the press

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

Year 3 - Spring Semester - UE101

English [ENGS10]

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.

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

Course contents

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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

Year 3 - Spring Semester - UE101

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

Year 3 - Spring Semester - UE101

Spanish [ESPS10]

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 productions & presentations
Written, digital and audiovisual tools

Contents

2 communicational approaches:

1- Monographical lectures on various engineering specialisations with active contributions of the students (debating, group and individual productions 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 the 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

Year 3 - Spring Semester - UE101

French Foreign Language [FLES10]

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

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 / telephone skills

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 did not validate the 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: 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

Year 3 - Spring Semester - UE101

Italian [ITAS10]

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, Numerical 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

Year 3 - Spring Semester - UE101

Japanese [JAPS10]

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	16 hrs	0 hrs	0 hrs	0 hrs

ENGINEERING PROGRAMME

Year 3 - Spring Semester - UE101

Russian [RUSS10]

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

! - Méthode de russe pour les adultes.

Auteur : S. Chernyshov, A. Chernyshova

KOHTAKT- Méthode de russe pour débutants. Langue et civilisation. Auteur : Zeltchenko Maria,

Russe - Cahier d'activités pour apprendre et réviser

Niveau A1-A2 Auteur : Annie Tchernychev

Ruslan 1 Auteur: Langran John / Vashinyeva Natalya

My Russian friend de Maria Zagrebelnaya,

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

Year 3 - Spring Semester - UE104

Final year internship [TFE]

LEAD PROFESSOR(S): Jean-Marie NORMAND

Objectives

This internship is carried out at the end of the third year.

It is linked either to the specialisation or to the professional option and thus its subject has to be in line with the curriculum of either one or the other. The aim is to apply the knowledge acquired in one of these two options in a company, laboratory or research organisation.

Course contents

The internship should last at least 25 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