

2020 - 2021



# COURSES IN ENGLISH FOR EXCHANGE STUDENTS

## Multimedia and Internet

### MI

### Course listing

## Course listing

MODULE	ID	ECTS	SEMESTER	PAGE
Writing for Digital Media 1	MI_A_01	3	Autumn	2
Network services	MI_A_02	5	Autumn	3
English	MI_A_03	3	Autumn	4
Writing for Digital Media 3	MI_A_04	3	Autumn	5
Project Management	MI_A_05	2	Autumn	6
English	MI_A_06	3	Autumn	7
Writing for Digital Media 2	MI_S_01	2	Spring	8
Network services	MI_S_02	3	Spring	9
Algorithms and web development	MI_S_03	4	Spring	10
Web integration	MI_S_04	4	Spring	11
English	MI_S_05	3	Spring	12
Written and oral expression for transmedia communication	MI_S_06	4	Spring	13
Project Management	MI_S_07	2	Spring	14
English	MI_S_08	3	Spring	15

ID:	<b>MI_A_01</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			<b>3</b>
Module:	Writing for Digital Media 1			
Semester:	<i>Autumn</i>			
Teaching hours:	9h	10h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Students will learn to analyze and design a web interface (navigation, ergonomics, accessibility, user experience – UX).
- Skill(s):
  - Developing a scenario for a web or a multimedia object.
  - Applying the foundations of web ergonomics.
  - Designing the usability of an interface.
  - Developing a general multimedia culture.
- Prerequisite(s):
  -
- Remark(s):
  -

ID:	<b>MI_A_02</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			<b>5</b>
Module:	Network services			
Semester:	<i>Autumn</i>			
Teaching hours:	10h	19h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Students will study the functions and the working of the software and hardware parts of a computer.
- Skill(s):
  - Students will study the functions and the working of the software and hardware parts of a computer.
  - They will gain general knowledge about network architecture in terms of hardware, interconnection, topology and support.
  - They will acquire basic knowledge about the Internet: the different players in the network, the organization.
  - They will understand how IP works: addressing and static routing.
- Prerequisite(s):
  -
- Remark(s):
  -

ID:	<b>MI_A_03</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		<b>3</b>
Module:	English		
Semester:	<i>Autumn</i>		
Teaching hours:	-	15h	12h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English

- Objective(s):  
-
- Skill(s):  
-
- Prerequisite(s):  
-
- Remark(s):  
- For non native speakers.

ID:	<b>MI_A_04</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			<b>3</b>
Module:	Writing for Digital Media 3			
Semester:	<i>Autumn</i>			
Teaching hours:	9h	10h	12h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):  
- Students will familiarise themselves with the issues, concepts, theories and practices of community management.
- Skill(s):  
- Demonstrating inventiveness and creativity in the use of tools for community management. -  
- Using strategic information networks.
- Prerequisite(s):  
-
- Remark(s):  
-

ID:	<b>MI_A_05</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		2
Module:	Project Management		
Semester:	<i>Autumn</i>		
Teaching hours:	120 student study time throughout the semester.		
Teaching type:	<input type="checkbox"/> English-only	<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - The students will develop a technical multimedia and or internet production project.
  - They will implementation project management methods.
  - They will lead a professional project as a team using knowledge across the board.
- Skill(s):
  - Interpersonal skills and autonomy in the workplace.
  - Project management skills.
- Prerequisite(s):
  -
- Remark(s):
  -

ID:	<b>MI_A_06</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		<b>3</b>
Module:	English		
Semester:	<i>Autumn</i>		
Teaching hours:	-	16h	12h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English

- Objective(s):  
-
- Skill(s):  
-
- Prerequisite(s):  
-
- Remark(s):  
- For non native speakers



ID:	<b>MI_S_01</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			2
Module:	Writing for Digital Media 2			
Semester:	Spring			
Teaching hours:	4h	9h	8h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Student will learn to structure information (tree structure, contents, sections, links ...).
  - They get familiar with the rules of writing for the web, and practice disseminating and communicating information according to these rules.
- Skill(s):
  - Designing an editorial line for the publication of contents, messages, on various communication supports.
  - Writing an editorial charter especially in the case of collaborative writing.
  - Adminitering the content of a website.
  - Realization of a balance sheet of the communication actions.
  - Website optimization for SEO.
- Prerequisite(s):
  - Writing for Digital Media 1 advisable
- Remark(s):
  -

ID:	<b>MI_S_02</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			<b>3</b>
Module:	Network services			
Semester:	<i>Spring</i>			
Teaching hours:	4h	4h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Students will learn to share resources according to rights.
  - They will find out about interconnecting networks.
  - They will acquire basic knowledge about security on networks and also about speed and cost.
- Skill(s):
  - Applying IT and telecommunications security rules.
  - Applying rules for securing computer files.
- Prerequisite(s):
  - Writing for Digital Media 1 advisable
- Remark(s):
  -

ID:	<b>MI_S_03</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			4
Module:	Algorithms and web development			
Semester:	Spring			
Teaching hours:	9h	16h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - Student will deepen their knowledge of algorithmics and programming.
  - They will the programming on the server side and how to generate dynamic web pages.
  - They will be able to make links with concepts seen in web integration.
- Skill(s):
  - Being able to generate web contents structured from databases.
- Prerequisite(s):
  - Algorithmics and programming advisable
- Remark(s):
  -

ID:	<b>MI_S_04</b>			<b>ECTS</b>
Disciplinary field:	Multimedia and Internet			<b>4</b>
Module:	Web integration			
Semester:	<i>Spring</i>			
Teaching hours:	6h	20h	16h	
	Lectures	Tutorial classes	Practical work	
Teaching type:	<input type="checkbox"/> English-only		<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - The students will master web integration and the creation of advanced layouts for the Internet.
  - They will understand the concepts of object oriented programming and event programming.
- Skill(s):
  - Understanding the semantic aspects of HTML and style sheets.
  - Creating simple animation effects to enrich the interaction of web pages.
  - Taking into account the constraints of search engine optimisation, ergonomics and accessibility.
- Prerequisite(s):
  - Basic knowledge of html syntax and the semantics of tags.
- Remark(s):
  -

ID:	<b>MI_S_05</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		<b>3</b>
Module:	English		
Semester:	<i>Spring</i>		
Teaching hours:	-	16h	12h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English

- Objective(s):  
-
- Skill(s):  
-
- Prerequisite(s):  
-
- Remark(s):  
- For non native speakers

ID:	<b>MI_S_06</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		4
Module:	Written and oral expression for transmedia communication		
Semester:	Spring		
Teaching hours:	3h	32h	-
	Lectures	Tutorial classes	Practical work
Teaching type:	<input type="checkbox"/> English-only	<input checked="" type="checkbox"/> French-English	

- Objective(s):  
- Students will learn to design digital environments that respond to the development of current uses and practices.
- Skill(s):  
- Designing a game or an interactive book.  
- Designing an interface taking into account different types of supports (mobile, ipad, desktop screens...).  
- Applying the HCI rules with mobiles among others.
- Prerequisite(s):  
- Have experience with contents creation.
- Remark(s):  
-

ID:	<b>MI_S_07</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		2
Module:	Project Management		
Semester:	<i>Spring</i>		
Teaching hours:	120 student study time throughout the semesterh		
Teaching type:	<input type="checkbox"/> English-only	<input checked="" type="checkbox"/> French-English	

- Objective(s):
  - The students will develop a technical multimedia and or internet production project.
  - They will implementation project management methods.
  - They will lead a professional project as a team using knowledge across the board.
- Skill(s):
  - Interpersonal skills and autonomy in the workplace.
  - Project management skills.
- Prerequisite(s):
  -
- Remark(s):
  -

ID:	<b>MI_S_08</b>		<b>ECTS</b>
Disciplinary field:	Multimedia and Internet		<b>3</b>
Module:	English		
Semester:	Spring		
Teaching hours:	-	22h	7h
	Lectures	Tutorial classes	Practical work
Teaching type:	<input checked="" type="checkbox"/> English-only		<input type="checkbox"/> French-English

- Objective(s):  
-
- Skill(s):  
-
- Prerequisite(s):  
-
- Remark(s):  
- For non native speakers