

**Master Traitement Automatique des Langues  
(TAL)  
M.Sc. Natural Language Processing (NLP)**

---

September 18th, 2023

Welcome!

# FIRST!

Registration! = ENT, schedule, mailing list, Crous, ...

You need **your laptop!**

(if you don't have, the IDMC can lend one (we have a limited number of computer, so, go to ask for one now!))

contact:

- `marie-luce.boulet@univ-lorraine.fr`
- `laura.muratore@univ-lorraine.fr`

Join the Discord Server!

(contact me if needed `MaximeAmblard#3475`)

- URL: <https://idmc.univ-lorraine.fr/>
- Mailing list  
[idmc-m1-tal-2324@etu.univ-lorraine.fr](mailto:idmc-m1-tal-2324@etu.univ-lorraine.fr)  
[idmc-m2-tal-2324@etu.univ-lorraine.fr](mailto:idmc-m2-tal-2324@etu.univ-lorraine.fr)
- Schedule (ADE): <https://ent.univ-lorraine.fr/>  
(many updates!)
- Course platform: <https://arche.univ-lorraine.fr>
- Administrative registration:  
<https://inscriptions.univ-lorraine.fr>
- Pedagogical registration (IP) <https://ipweb.univ-lorraine.fr>
- grades etc. <https://ent.univ-lorraine.fr>

# Pole Herbert Simon



## Organizational staff

- **Maxime Amblard**, head of the Master TAL,  
maxime.amblard@univ-lorraine.fr, LORIA B226
  - in charge of the master
  - in charge of the master 1
  - office hour: Monday 12:30-13:30
- **Miguel Couceiro**, Erasmus Mundus LCT local coordinator,  
miguel.couceiro@univ-lorraine.fr, LORIA B-144
  - in charge of the master 2
  - office hour: Monday 12:00-13:00 (subject to adjustments)
- **Karine Weisse**, administrative issues,  
karine.weisse@univ-lorraine.fr,
- **Marie-Luce Boulet**,  
marie-luce.boulet@univ-lorraine.fr,

# Who is in the room?

We welcome students from:

- Students of the master
- Students with work-studies contract  
(contract can be signed during September)

# Who is in the room?

We welcome students from:

- Students of the master
- Students with work-studies contract  
(contract can be signed during September)
- master SDL (for M1 courses in prog. corpus and logic)
- École des Mines (not this year)
- LCT Erasmus Mundus (that's student of the master in fact)



- EMLEX (sometimes)



# Who is in the room?

We welcome students from:

- Students of the master
- Students with work-studies contract  
(contract can be signed during September)
- master SDL (for M1 courses in prog. corpus and logic)
- École des Mines (not this year)
- LCT Erasmus Mundus (that's student of the master in fact)



- EMLEX (sometimes)

and we recommend to discuss with everyone

# NLP master

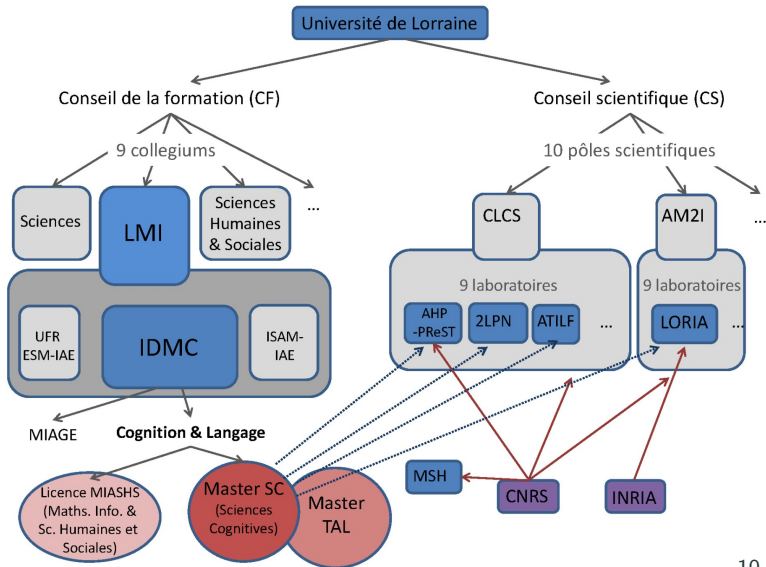
---

- Computer Science on language
- use of the AI's tools and methods

- Computer Science on language
- use of the AI's tools and methods
  
- Where:
  - new technology companies with a strong innovation component,
  - R&D
  - academic research
  
- What:
  - define and implement tools and services using language data
    - speech processing, data parsing and understanding, knowledge



- Université de Lorraine (UL)  
Helene Boulanger
- Collegium Lorraine Management  
Innovation (LMI)  
Elisabeth Deschanet
- Institut des Sciences du Digital,  
Management et Cognition (IDMC)  
Antoine Tabbone
- Master TAL / NLP  
Maxime Amblard



- **DESS TEXTE**

(Fiammetta NAMER and Yannick TOUSSAINT)

- **Master SCA** - Sciences de la Cognition et ses Applications

(Abdel Belaid, Maxime Amblard, Manuel Rebuschi)

- elective courses in M1
- specific year in M2

(Guy Perrier, Fabienne Venant, Maxime Amblard)

- **Erasmus Mundus LCT**

(Patrick Blackburn, Maxime Amblard, Miguel Couceiro)

- Master **SDL** and master **Computer Science**

## Links with Research and Companies

- lot of things in courses for both!
- **projects** in courses (let see at 11:00 with me)      Best Paper Award at Ekaw 2022



## Links with Research and Companies

- lot of things in courses for both!
- **projects** in courses (let see at 11:00 with me) Best Paper Award at Ekaw 2022
- **Supervised Project** (see details after): one year work on ho research topic, supervised by a researcher.
- **Seminar** (once a month, wednesday) and **Forum** (November 29th)
- **3-months internship** between first and second year (optional)
- **Software project**
- 5-6-months **internship** during the second year

## Links with Research and Companies

- lot of things in courses for both!
- **projects** in courses (let see at 11:00 with me) Best Paper Award at Ekaw 2022
- **Supervised Project** (see details after): one year work on ho research topic, supervised by a researcher.
- **Seminar** (once a month, wednesday) and **Forum** (November 29th)
- **3-months internship** between first and second year (optional)
- **Software project**
- 5-6-months **internship** during the second year
- Alternance (in-Company)

- **LORIA** - Laboratoire lorrain de recherche en informatique et ses applications  
UMR 7503, Université de Lorraine, Inria Nancy Grand Est, CNRS
- **Inria - Nancy Grand-Est**
- **ATILF** - Analyse et traitement informatique de la langue française  
UMR 7118, Université de Lorraine, CNRS
- **MSH** - Maison des Sciences de l'Homme Lorraine  
USR 3216, Université de Lorraine, CNRS
- **Projet Impact LUE - OLKI**

Through its 29 research teams, the LORIA has recognized expertise in Information and Communication Sciences and Technologies. Joint Lab with **Inria** and **CNRS**.

1. Algorithms, Computation, Image and Geometry
2. Formal methods
3. Networks, Systems and Services
4. **Knowledge and Language Management**
5. Complex Systems, Artificial Intelligence and Robotics

# Knowledge and Language Management

Head: Bruno Guillaume

- **K**: Knowledge: Reasoning, Engineering, Data Science
- **ORPAILLEUR**: Knowledge Discovery guided by Domain Knowledge
- **MULTISPEECH**: Speech Modeling for Facilitating Oral-Based Communication
- **READ**: Recognition of writing and analysis of documents
- **SEMAGRAMME**: logic-based models, methods, and tools for the semantic and discourses.
- **SMarT**: Statistical Machine Translation and Speech Modelization and Text
- **SYNALP**: Natural Language Processing : representations, inference and semantics

Linguistic Laboratory, a joint research with **CNRS**.

- Linguistique historique française et romane
- Lexique
- Didactique des langues et sociolinguistique (Crapel)
- Discours
- Ressources, normalisation, annotation et exploitation

## (Some) Wednesday afternoon:

- TALC seminar – Loria (english only)  
not yet restarted since pandemy
- Master seminar – PHS<sup>1</sup> (french and english)  
21/09, 19/10, 07/12, 25/01, 15/03, 05/04/03, 10/05

---

<sup>1</sup><https://idmc.univ-lorraine.fr/informations-master-tal/info-tal-seminaires/>

## **General informations**

---



## General informations

- There is a specific course on Arche for each year where you can find links to ressources for the different classes.
  - M1 TAL - NLP
  - M2 TAL - NLP
- For each courses, ask explicitly the evaluation of the courses at the beginning of all courses
- B2E points are not accepted
- Remediation courses in linguistic

# Organisation of the Master

---

- The master is open to Alternance. Some students can have work-studies contract with companies.
- M1 and M2 have a desynchronise calendar of alternance.
- During the alternance weeks, you can have few courses. There are not (at all) holidays. Alternance students does not have some projects.

# Semester are organised in bloc courses



Calendrier d'alternance 2023/2024



## Master TAL : Traitement Automatique des Langues - 1ère année - 516h

	Aout	Sept.	Oct.	Nov.	Déc.	Janv.	Févr.	Mars.	Avr.	Mai	Juin	Juill.	Août	Sept.
M 1	V 1	D 1	M 1	V 1	L 1 - S01	J 1	V 1	L 1 - S14	M 1	S 1	L 1 - S27	J 1	D 1	
M 2	S 2	L 2 - S40	J 2	S 2	M 2	V 2	S 2	M 2	J 2	D 2	M 2	V 2	L 2 - S36	
J 3	D 3	M 3	V 3	D 3	M 3	S 3	D 3	M 3	V 3	L 3 - S23	M 3	S 3	M 3	
V 4	L 4 - S36	M 4	S 4	L 4 - S49	J 4	D 4	L 4 - S10	J 4	S 4	M 4	J 4	D 4	M 4	
S 5	M 5	J 5	D 5	M 5	V 5	L 5 - S06	M 5	V 5	D 5	M 5	V 5	L 5 - S32	J 5	
D 6	M 6	V 6	L 6 - S45	M 6	S 6	M 6	M 6	S 6	L 6 - S19	J 6	S 6	M 6	V 6	
L 7 - S32	J 7	S 7	M 7	J 7	D 7	M 7	J 7	D 7	M 7	V 7	D 7	M 7	S 7	
M 8	V 8	D 8	M 8	V 8	L 8 - S02	J 8	V 8	L 8 - S15	M 8	S 8	L 8 - S28	J 8	D 8	
M 9	S 9	L 9 - S41	J 9	S 9	M 9	V 9	S 9	M 9	J 9	D 9	M 9	V 9	L 9 - S37	
J 10	D 10	M 10	V 10	D 10	M 10	S 10	D 10	M 10	V 10	L 10 - S24	M 10	S 10	M 10	
V 11	L 11 - S37	M 11	S 11	L 11 - S50	J 11	D 11	L 11 - S11	J 11	S 11	M 11	J 11	D 11	M 11	
S 12	M 12	J 12	D 12	M 12	V 12	L 12 - S07	M 12	V 12	D 12	M 12	V 12	L 12 - S33	J 12	
D 13	M 13	V 13	L 13 - S46	M 13	S 13	M 13	M 13	S 13	L 13 - S20	J 13	S 13	M 13	V 13	
L 14 - S33	J 14	S 14	M 14	J 14	D 14	M 14	J 14	D 14	M 14	V 14	D 14	M 14	S 14	
M 15	V 15	D 15	M 15	V 15	L 15 - S03	J 15	V 15	L 15 - S16	M 15	S 15	L 15 - S29	J 15	D 15	
M 16	S 16	L 16 - S42	J 16	S 16	M 16	V 16	S 16	M 16	J 16	D 16	M 16	V 16	L 16 - S38	
J 17	D 17	M 17	V 17	D 17	M 17	S 17	D 17	M 17	V 17	L 17 - S25	M 17	S 17	M 17	
V 18	L 18 - S38	M 18	S 18	L 18 - S51	J 18	D 18	L 18 - S12	J 18	S 18	M 18	J 18	D 18	M 18	
S 19	M 19	J 19	D 19	M 19	V 19	L 19 - S08	M 19	V 19	D 19	M 19	V 19	L 19 - S34	J 19	
D 20	M 20	V 20	L 20 - S47	M 20	S 20	M 20	M 20	S 20	L 20 - S21	J 20	S 20	M 20	V 20	
L 21 - S34	J 21	S 21	M 21	J 21	D 21	M 21	J 21	D 21	M 21	V 21	D 21	M 21	S 21	
M 22	V 22	D 22	M 22	V 22	L 22 - S04	J 22	V 22	L 22 - S17	M 22	S 22	L 22 - S30	J 22	D 22	
M 23	S 23	L 23 - S43	J 23	S 23	M 23	V 23	S 23	M 23	J 23	D 23	M 23	V 23	L 23 - S39	
J 24	D 24	M 24	V 24	D 24	M 24	S 24	D 24	M 24	V 24	L 24 - S26	M 24	S 24	M 24	
V 25	L 25 - S39	M 25	S 25	L 25 - S52	J 25	D 25	L 25 - S13	J 25	S 25	M 25	J 25	D 25	M 25	
S 26	M 26	J 26	D 26	M 26	V 26	L 26 - S09	M 26	V 26	D 26	M 26	V 26	L 26 - S35	J 26	
D 27	M 27	V 27	L 27 - S48	M 27	S 27	M 27	M 27	S 27	L 27 - S22	J 27	V 27	M 27	V 27	
L 28 - S35	J 28	S 28	M 28	J 28	D 28	M 28	J 28	D 28	M 28	V 28	D 28	M 28	S 28	
M 29	V 29	D 29	M 29	V 29	L 29 - S05	J 29	V 29	L 29 - S18	M 29	S 29	L 29 - S31	J 29	D 29	
M 30	S 30	L 30 - S44	J 30	S 30	M 30	S 30	M 30	M 30	J 30	D 30	M 30	V 30	L 30 - S40	
J 31		M 31		D 31	M 31		D 31		V 31		M 31	S 31		

### LÉGENDE

Formation à l'Université   
Sout. / Exam. / Jury 

Date de rentrée : 01/09/2023

Date de rentrée prévisionnelle 2024 : 02/09/2024

Date de fin de formation : 10/09/2025

### REMARQUES

# Semester are organised in bloc courses



Calendrier d'alternance 2023/2024



## Master TAL : Traitement Automatique des Langues - 2ème année - 350h

Aout	Sept.	Oct.	Nov.	Déc.	Janv.	Févr.	Mars.	Avr.	Mai	Juin	Juill.	Août	Sept.
M 1	V 1	D 1	M 1	V 1	L 1 - S01	J 1	V 1	L 1 - S14	M 1	S 1	L 1 - S27	J 1	D 1
M 2	S 2	L 2 - S40	J 2	S 2	M 2	V 2	S 2	M 2	J 2	D 2	M 2	V 2	L 2 - S36
J 3	D 3	M 3	V 3	D 3	M 3	S 3	D 3	M 3	V 3	L 3 - S23	M 3	S 3	M 3
V 4	L 4 - S36	M 4	S 4	L 4 - S49	J 4	D 4	L 4 - S10	J 4	S 4	M 4	J 4	D 4	M 4
S 5	M 5	J 5	D 5	M 5	V 5	L 5 - S06	M 5	V 5	D 5	M 5	V 5	L 5 - S32	J 5
D 6	M 6	V 6	L 6 - S45	M 6	S 6	M 6	S 6	L 6 - S19	J 6	S 6	M 6	V 6	V 6
L 7 - S32	J 7	S 7	M 7	J 7	D 7	M 7	J 7	D 7	M 7	V 7	D 7	M 7	S 7
M 8	V 8	D 8	M 8	V 8	L 8 - S02	J 8	V 8	L 8 - S15	M 8	S 8	L 8 - S28	J 8	D 8
M 9	S 9	L 9 - S41	J 9	S 9	M 9	V 9	S 9	M 9	J 9	D 9	M 9	V 9	L 9 - S37
J 10	D 10	M 10	V 10	D 10	M 10	S 10	D 10	M 10	V 10	L 10 - S24	M 10	S 10	M 10
V 11	L 11 - S37	M 11	S 11	L 11 - S50	J 11	D 11	L 11 - S11	J 11	S 11	M 11	J 11	D 11	M 11
S 12	M 12	J 12	D 12	M 12	V 12	L 12 - S07	M 12	V 12	D 12	M 12	V 12	L 12 - S33	J 12
D 13	M 13	V 13	L 13 - S46	M 13	S 13	M 13	M 13	S 13	L 13 - S20	J 13	S 13	M 13	V 13
L 14 - S33	J 14	S 14	M 14	J 14	D 14	M 14	J 14	D 14	M 14	V 14	D 14	M 14	S 14
M 15	V 15	D 15	M 15	V 15	L 15 - S03	J 15	V 15	L 15 - S16	M 15	S 15	L 15 - S29	J 15	D 15
M 16	S 16	L 16 - S42	J 16	S 16	M 16	V 16	S 16	M 16	J 16	D 16	M 16	V 16	L 16 - S38
J 17	D 17	M 17	V 17	D 17	M 17	S 17	D 17	M 17	V 17	L 17 - S25	M 17	S 17	M 17
V 18	L 18 - S38	M 18	S 18	L 18 - S51	J 18	D 18	L 18 - S12	J 18	S 18	M 18	J 18	D 18	M 18
S 19	M 19	V 19	D 19	M 19	V 19	L 19 - S08	M 19	V 19	D 19	M 19	V 19	L 19 - S34	J 19
D 20	M 20	V 20	L 20 - S47	M 20	S 20	M 20	M 20	S 20	L 20 - S21	J 20	S 20	M 20	V 20
L 21 - S34	J 21	S 21	M 21	J 21	D 21	M 21	J 21	D 21	M 21	V 21	D 21	M 21	S 21
M 22	V 22	D 22	M 22	V 22	L 22 - S04	J 22	V 22	L 22 - S17	M 22	S 22	L 22 - S30	J 22	D 22
M 23	S 23	L 23 - S43	J 23	S 23	M 23	V 23	S 23	M 23	J 23	D 23	M 23	V 23	L 23 - S39
J 24	D 24	M 24	V 24	D 24	M 24	S 24	D 24	M 24	V 24	L 24 - S26	M 24	S 24	M 24
V 25	L 25 - S39	M 25	S 25	L 25 - S52	J 25	D 25	L 25 - S13	J 25	S 25	M 25	M 25	D 25	M 25
S 26	M 26	V 26	D 26	M 26	V 26	L 26 - S09	M 26	V 26	D 26	M 26	V 26	L 26 - S35	J 26
D 27	M 27	V 27	L 27 - S48	M 27	S 27	M 27	S 27	L 27 - S22	J 27	S 27	M 27	V 27	V 27
L 28 - S35	J 28	S 28	M 28	J 28	D 28	M 28	J 28	D 28	M 28	V 28	D 28	M 28	S 28
M 29	V 29	D 29	M 29	V 29	L 29 - S05	J 29	V 29	L 29 - S18	M 29	S 29	L 29 - S31	J 29	D 29
M 30	S 30	L 30 - S44	J 30	S 30	M 30	S 30	M 30	J 30	D 30	M 30	V 30	S 30	L 30 - S40
J 31		M 31		D 31	M 31		D 31		V 31		M 31	S 31	

### LÉGENDE

Formation à l'Université   
Sout. / Exam. / Jury 

Date de rentrée : 04/09/2023

Date de fin de formation : 10/09/2024

### REMARQUES

# Calendar

- Semester 7 September 18th, 2023 to February 2nd, 2024
- Courses' weeks: 38-39-40-41-42-43 and 48-49-50-51 and 04-05
- Holiday breaks: 44 and 52-01 (not for alternance students)
- Supervised project, Bibliography report deadline: January 19th 2024
- Jury S7: February 20th, 2pm (grades due: February 16th)

# Calendar

- **Semester 7** September 18th, 2023 to February 2nd, 2024
- Courses' weeks: 38-39-40-41-42-43 and 48-49-50-51 and 04-05
- Holiday breaks: 44 and 52-01 (not for alternance students)
- **Supervised project**, Bibliography report deadline: January 19th 2024
- Jury S7: February 20th, 2pm (grades due: February 16th)
- **Semester 8** February 5th to June 28th
- Courses' weeks: 06-07-08 and 13-14-15-16 and 22-23-24-25-26
- Holiday breaks: 09 and 17-18 (not for alternance students)
- **Supervised project** : report deadline: May 24th, defenses: May 30-31th
- Jury S8: June 09th, 2pm (grades due: June 07th)
- Catch-up S7 and S8: late in August

Check on the ENT!



## **First semester - M1**

---

- UE 701 Probabilities, Statistics and Algorithms
- UE 702 Design and acquisition of corpora
- UE 703 Software Engineering
- UE 704 Linguistics for NLP
- UE 705 Project and Language

- UE 701 Probabilities, Statistics and Algorithms
  - EC1 Probabilities and statistics Marianne Clausel
  - EC2 Algorithms M. Amblard - Gael Guibon
- UE 702 Design and acquisition of corpora
  
- UE 703 Software Engineering
  
  
- UE 704 Linguistics for NLP
  
  
  
- UE 705 Project and Language

- UE 701 Probabilities, Statistics and Algorithms
  - EC1 Probabilities and statistics Marianne Clausel
  - EC2 Algorithms M. Amblard - Gael Guibon
- UE 702 Design and acquisition of corpora
  - EC1 Written corpora B. Guillaume
  - EC2 Logic P. de Groot
- UE 703 Software Engineering
  
- UE 704 Linguistics for NLP
  
- UE 705 Project and Language

- UE 701 Probabilities, Statistics and Algorithms
  - EC1 Probabilities and statistics Marianne Clausel
  - EC2 Algorithms M. Amblard - Gael Guibon
- UE 702 Design and acquisition of corpora
  - EC1 Written corpora B. Guillaume
  - EC2 Logic P. de Groote
- UE 703 Software Engineering
  - EC1 UML -> Graphs
  - EC2 and 3 Project and Project management  
M. Amblard, R. Altmeyer, Eric François
- UE 704 Linguistics for NLP
  
- UE 705 Project and Language

- UE 701 Probabilities, Statistics and Algorithms
  - EC1 Probabilities and statistics Marianne Clausel
  - EC2 Algorithms M. Amblard - Gael Guibon
- UE 702 Design and acquisition of corpora
  - EC1 Written corpora B. Guillaume
  - EC2 Logic P. de Groote
- UE 703 Software Engineering
  - EC1 UML -> Graphs
  - EC2 and 3 Project and Project management  
M. Amblard, R. Altmeyer, Eric François
- UE 704 Linguistics for NLP
  - EC2 Methods for Natural Language Processing M. Amblard
  - UE702 EC1 Phonology
  - UE702 EC1 Morphology F. Nammer
- UE 705 Project and Language

- UE 701 Probabilities, Statistics and Algorithms
  - EC1 Probabilities and statistics Marianne Clausel
  - EC2 Algorithms M. Amblard - Gael Guibon
- UE 702 Design and acquisition of corpora
  - EC1 Written corpora B. Guillaume
  - EC2 Logic P. de Groote
- UE 703 Software Engineering
  - EC1 UML -> Graphs
  - EC2 and 3 Project and Project management  
M. Amblard, R. Altmeyer, Eric François
- UE 704 Linguistics for NLP
  - EC2 Methods for Natural Language Processing M. Amblard
  - UE702 EC1 Phonology
  - UE702 EC1 Morphology F. Nammer
- UE 705 Project and Language
  - EC1 Hands-on Project M. Amblard
  - EC2-en english C. Martin
  - EC2-fr français J. Mendes Antunes

# Important

- UE 701 - EC2 (programming) and 703-EC1 are joint classes with SC students. There are two CM and the class is divided according to your background.



# Important

- UE 701 - EC2 (programming) and 703-EC1 are join classes with SC students. There are two CM and the class is divided according to your background.
- Math classes with CS students are divided in 3 groups

# Important

- UE 701 - EC2 (programming) and 703-EC1 are join classes with SC students. There are two CM and the class is divided according to your background.
- Math classes with CS students are divided in 3 groups
- Corpora and M4NLP in 2 groups

# Important

- **UE 701 - EC2** (programming) and **703-EC1** are join classes with SC students. There are two CM and the class is divided according to your background.
- Math classes with CS students are divided in 3 groups
- Corpora and M4NLP in 2 groups
- **705** Language: native french speakers follow english class with SC student, other ones follow french class.  
⇒ send me your french level (A/B/C - 1/2) by mail before today evening

## **Second semester - M1**

---

- UE 801 Machine learning and semantic web
- UE 802 Formal tools
- UE 803 Data Processing
- UE 804 Linguistics for NLP
- UE 805 Project and Language

- UE 801 Machine learning and semantic web
  - EC1 Machine learning theory
  - EC2 Semantic web
- UE 802 Formal tools

M. Clausel  
M. d'Aquin

- UE 803 Data Processing
- UE 804 Linguistics for NLP
- UE 805 Project and Language

- UE 801 Machine learning and semantic web
  - EC1 Machine learning theory M. Clausel
  - EC2 Semantic web M. d'Aquin
- UE 802 Formal tools
  - EC1 Formal languages P. de Groot
  - EC2 Speech corpora Y. Laprie
  - EC3 Calculability and complexity M. Couceiro
- UE 803 Data Processing
- UE 804 Linguistics for NLP
- UE 805 Project and Language

- UE 801 Machine learning and semantic web
  - EC1 Machine learning theory M. Clausel
  - EC2 Semantic web M. d'Aquin
- UE 802 Formal tools
  - EC1 Formal languages P. de Groot
  - EC2 Speech corpora Y. Laprie
  - EC3 Calculability and complexity M. Couceiro
- UE 803 Data Processing
  - EC1 Storage and retrieval C. Gardent
  - EC2 Data analysis Y. Parmentier
- UE 804 Linguistics for NLP
  
- UE 805 Project and Language



- UE 801 Machine learning and semantic web
  - EC1 Machine learning theory M. Clausel
  - EC2 Semantic web M. d'Aquin
- UE 802 Formal tools
  - EC1 Formal languages P. de Groot
  - EC2 Speech corpora Y. Laprie
  - EC3 Calculability and complexity M. Couceiro
- UE 803 Data Processing
  - EC1 Storage and retrieval C. Gardent
  - EC2 Data analysis Y. Parmentier
- UE 804 Linguistics for NLP
  - EC1 Lexicology : lexical units and phraseology A. Polguere
  - UE802 EC1 Syntax T. Gotkova
  - UE802 EC1 Semantics I. Feldhausen
- UE 805 Project and Language

- UE 801 Machine learning and semantic web
  - EC1 Machine learning theory M. Clausel
  - EC2 Semantic web M. d'Aquin
- UE 802 Formal tools
  - EC1 Formal languages P. de Groot
  - EC2 Speech corpora Y. Laprie
  - EC3 Calculability and complexity M. Couceiro
- UE 803 Data Processing
  - EC1 Storage and retrieval C. Gardent
  - EC2 Data analysis Y. Parmentier
- UE 804 Linguistics for NLP
  - EC1 Lexicology : lexical units and phraseology A. Polguere
  - UE802 EC1 Syntax T. Gotkova
  - UE802 EC1 Semantics I. Feldhausen
- UE 805 Project and Language
  - EC1 Supervised Project M. Amblard
  - EC2-en english C. Martin
  - EC2-fr français J. Mendes Antunes

See the website!

# Supervised Project

- a work in **group** (3-4)
- in **parallel of the courses**
- require a regular follow-up by the **supervisors**
- estimated at a working day per group and per week
- first part: bibliographical work which leads to a written **report**
- second part includes a realization (survey, data study, programming...), and gives rise to a written **report and a defense**
- Important to work regularly during the all year

# Supervised Project

- a work in **group** (3-4)
- in **parallel of the courses**
- require a regular follow-up by the **supervisors**
- estimated at a working day per group and per week
- first part: bibliographical work which leads to a written **report**
- second part includes a realization (survey, data study, programming...), and gives rise to a written **report and a defense**
- Important to work regularly during the all year

You can access to previous year projects on the website :

<https://idmc.univ-lorraine.fr/informations-master-tal/info-tal-projets-tutores/>

- October 6th, 2023: deadline for submitting topic proposals
- October 11th, 2:00-4:00 pm, PHS (13 rue Michel Ney): presentation of topics by their promoters
- October 16th: Greetings from groups to students
- October 30th: beginning of the projects, bibliography section
- January 19th, 2024: dead-line for report – bibliography section
- January 26th: beginning of the realization part
- May 22th: dead-line for the reports of the supervised projects
- May 30th and/or 31th: projects' defenses

# Study regulation

---

## First semester

- average computed with marks obtained in the all courses with a coefficient proportional to the ects credits
- the semester is passed if the average is at least 10/20 and if no mark at the UE level is less than 8
- ONLY the students who failed the semester after the first session, go to the second session.
- Results of the second session replace the corresponding marks of the first session.



# Accords Erasmus



- Trento (Italie)
- Dublin (Irlande)
- Osnabruck (Allemagne)
- Bucarest (Roumanie)
- Malte (Malte)

# Accords Erasmus



- Trento (Italie)
- Dublin (Irlande)
- Osnabruck (Allemagne)
- Bucarest (Roumanie)
- Malte (Malte)
- Only **second semester** of first year (application 09.15)

# Accords Erasmus



- Trento (Italie)
- Dublin (Irlande)
- Osnabruck (Allemagne)
- Bucarest (Roumanie)
- Malte (Malte)
- Only **second semester** of first year (application 09.15)
- M2's internship can be done abroad
- contact :  
[miguel.couceiro@univ-lorraine.fr](mailto:miguel.couceiro@univ-lorraine.fr)

## Some advices (from past years students)

- Start reading scientific papers (ACL, NAACL, EACL, Coling, IWCS, etc)
- Learn Python basics and libraries
- Mathematics are a core component of NLP
- Create isolated environment on your computer for NLP projects

International relations service can be very helpful (including with visa process etc.)

- <https://welcome.univ-lorraine.fr/>  
booklet: [https://welcome.univ-lorraine.fr/files/2022/07/Guide\\_Uni\\_Version-ENG\\_2022-2023-2.pdf](https://welcome.univ-lorraine.fr/files/2022/07/Guide_Uni_Version-ENG_2022-2023-2.pdf)
- Equality – Diversity - Inclusion  
Regardless of your origin, your culture, your sex, your sexual orientation, your gender identity, your religion, your appearance, your differences, you all belong to the same community.
- Support for Luc.

Every year we encounter many cultural difficulties

Every year we encounter many cultural difficulties

Note that it is important to say when you don't understand that you don't understand, it doesn't affect the perception you give.

It is **important** to address all people working in the building (teachers, secretaries, IT staff, cleaning staff, etc.) **politely**. We are all working to make your studies easier and to improve your daily life.

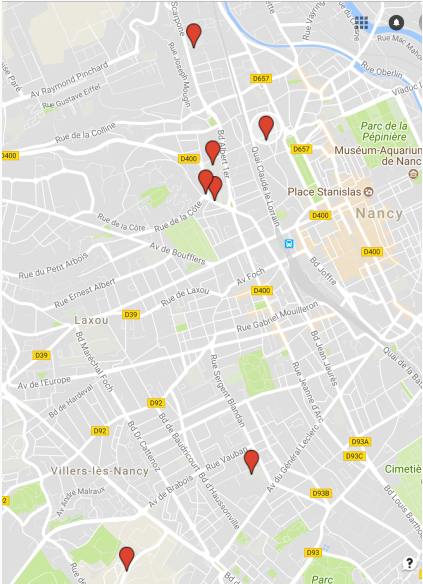
- Deadlines must be respected
- You should **anticipate difficulties** as much as possible
- **Do not remain isolated** - do not leave others in isolation
- If you see something, **react**

**Life**

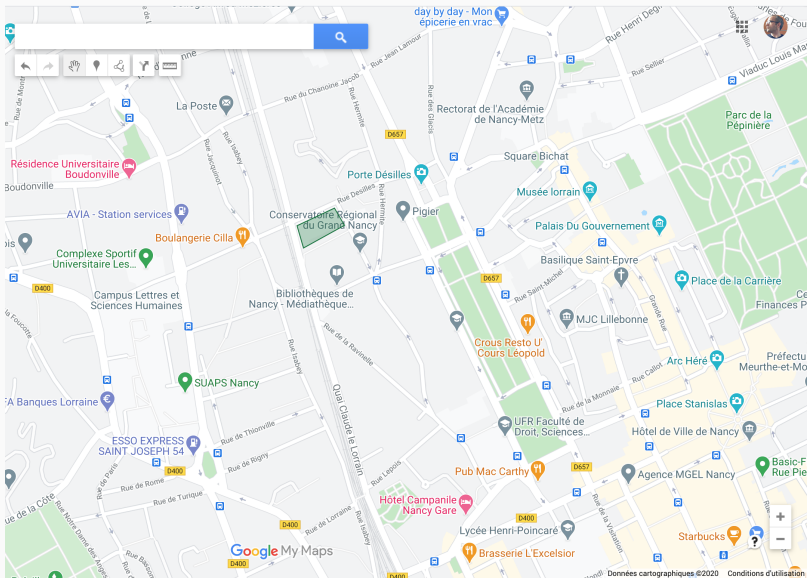
---



# Where we are?



# Food, Crous, Break, Library, buy a bike, having a life, ...



## Nancy in September (and later)

- 09.16-18/22 Bon moment 2022
- 09.09-11 22 Le livre sur la place
- 10.01-15 Nancy Jazz Pulsation (NJP) (looking for volunteers)
- La Manufacture, salle Poirel, l'Autre canal, CCAM
- Médiathèque
- Cinema: Caméo, UGC, Kinopolis
- musée aquarium, musée des beaux arts
- My Monkey Gallery, Ergastule, Centre Culturel George Pompidou  
It Up, Galerie Lillebone
- Metz : centre Pompidou-Metz

Plagiarism is BAD!<sup>2</sup>

---

<sup>2</sup>and forbidden

# The last One more thing!

Nancy is easy to bike:

- Atelier Dynamo
- Atelier Vélo de Maxéville