

- Faculté des sciences
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## Seminar Natural Language Processing (3IN2039)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
<b>Master en informatique</b>	<b>Cours: 2 ph</b>	<b>controle continu: 1</b>	5

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

### Période d'enseignement:

- Semestre Automne

### Equipe enseignante:

Prof. Jacques Savoy

### Objectifs:

This seminar on natural language processing will follow the following objectives:

1. Conduct your own research (on a limited amount of data) based on one / few scientific papers
2. Able to read / interpret scientific paper(s)
3. Go beyond a simple implementation by
  - Implement correctly a given algorithm
  - Test it
  - Understand its weakness
  - Analysis its behavior
  - Evaluate its performance (comparative basis, statistical tests)
  - and to discover the limit(s) of the proposed model

### Contenu:

On the given corpus, you can chose one of the following topics

1. Detecting / Evaluation collocations (words that tend to occur together)
2. Text analysis (provide an overview of a set of documents)
3. Vocabulary analysis
4. Authorship attribution (who write this article?)
5. and other possible topics

### Forme de l'évaluation:

All students are working with the same corpus (data).

Evaluation on two aspects: oral presentation (powerpoint) and written report

1. Presentation 40%

P1 (15%): The question to be solved

P2 (25%): Your results / evaluations / analysis

2. Report 60%

Question / state of the art / your solution / your analysis

Your program

### Documentation:

Copies of the slides available.

### Pré-requis:

None

### Forme de l'enseignement:

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