**Introduction to linguistic computation and complexity theory**

Lecturer: Cristiano Chesi

H: 10  
Credits: 2  
Semester: I  
Compulsory course: A

**Description**

How can we describe explicitly the computation needed for linguistic processing? In this course, I will introduce this question by familiarizing with an appropriate formal background while discussing some ideas presented in the recent literature: on the one hand, we will see how linguistic intuitions can be formalized precisely in a way that is compatible with their efficient implementation in computer programs dealing with Natural Language Processing (NLP); on the other, we will evaluate the cognitive plausibility of these computational models focusing on the revealed difficulty related to specific linguistic constructions.

**Suggested readings**


**Evaluation**

The evaluation will be based on an oral exam.

**Calendar**

December 3rd, 2018 - 10:00-13:00  
December 4th, 2018 - 10:00-13:00  
December 6th, 2018 - 10:00-14:00

Classroom 1-15