

Cogmaster Linguistics Major 2022-2023

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Goals:

- Familiarize future cognitive scientists with theoretical and experimental linguistics
- For those who take the linguistics major, train them as *both* linguists and cognitive scientists.

The general goal is to develop the following skills, which are crucial to doing research in linguistics.

- Developing linguistic analytical skills, based on knowledge of linguistic phenomenology and linguistic theories, in the major subdomains of the field (phonetics, phonology, morphology, syntax, semantics, pragmatics)
- Formal and modeling skills, ability to construct precise, explicit and testable hypotheses
- Experimental skills (psychology)
- Data analysis and computational skills

Classes

[LING 101 Introduction to linguistics](#), M1, S1

[LING 102 'Methods' class: Formal tools for the study of language](#), M1, S1

- Formal languages
- Logic
- Lambda Calculus

Also relevant: PHIL 102 introduction to logic (taught in French).

Classes in all 'core domains' (phonology, semantics, syntax, psycholinguistics)

[LING 201 Phonology I](#) (M1, S2) , [LING 301 Phonology II](#) (M2, S3)

[LING 202 Semantics I](#) (M1, S2), [LING 302 Semantics II](#) (M2, S3)

[Syntax](#): at University Paris Cité (M1, S1)

[LING 203 Language Processing and Acquisition](#) (M1, S2)

More specialized seminars/classes

[COGSCI 301 Language in the visual Modality](#) [sign language linguistics] [M2, S3]

[COGSCI 302 Supersemantics](#) [Semantics beyond “standard” human languages: gestures, music, reasoning, animal communication] [M2, S3]

DEC Seminar (S2) [Natural Language Ontology](#): sums, events and degrees [Semantics]

Many other cogmaster classes are relevant to language and linguistics

External classes

- At Université Paris Cité: syntax and computational linguistics
- Master MVA, Algorithms for speech and natural language processing

Linguistics Major 2022- 2023

Here we describe what we typically expect from students who take the linguistics major. We only describe the requirements that are specific to the linguistics major, and refer students to the general requirements of the cogmaster program regarding other requirements. The required coursework for the linguistics major is meant to be flexible. It will be possible for students, in coordination with their tutor, to depart from the default requirements mentioned here – departures from the default will be discussed on a case-by-case basis.

General Principles:

- Core curriculum of cogmaster
- An introductory class in each of the major subdomains (phonology, syntax, semantics), the cogmaster psycholinguistics class, and an advanced class in one of the three major subdomains.
- Formal tools in linguistics
- A short internship (not necessarily in linguistics)

Classes can be taken at DEC (ENS), at the University of Paris (Master de sciences du langage)

- DEC and cogmaster classes in Linguistics:
 - <https://cognition.ens.fr/en/teaching/courses-and-internships/linguistics-649>
- DEC graduate seminars, some of them language-related:
 - <https://cognition.ens.fr/en/teaching/courses-and-internships/dec-graduate-seminars-14960>

- Classes at 'Université de Paris-Cité'
- The timetable (with room information) for Paris-Diderot Linguistics classes is available here: <https://u-paris.fr/linguistique/en/students/>
Every class not colored in green is taught in English

Cf. Below for information about specific classes that are specifically recommended.

Classes there star this week, except for syntax, which starts next week

S1 - First semester of M1

Core requirements of cogmaster : 4 introduction classes, Programming + Stats

Linguistics default requirements:

LING 102 Formal tools in the study of language (4 ECTS)

Pascal Amsili

**Advanced Introduction to syntax ('Theoretical Syntax) at University U. of Paris (3 ECTS)
Taught by Caterina Donati.**

Tuesday :

Class:15h30-17h0 (AM)

TA session: 17h00-18h00

Room: Olympe de Gouges - 146

<https://www.google.com/maps/place/Olympe+de+Gouges,+75013+Paris/@48.826925,2.378656,17z/data=!3m1!4b1!4m5!3m4!1s0x47e6723994df0689:0xbd02e78527cce4ef!8m2!3d48.8269216!4d2.3831407>

How to get to 'Olympe de Gouges'

Bâtiment Olympe de Gouges, Université de Paris.

8 place Paul-Ricoeur - 75013 Paris or

8 rue Albert Einstein (two directions one building!) rue Albert Einstein

Transportation:

Metro 14 or RER C stop : Bibliothèque François Mitterrand

Tram 3A stop: Avenue de France.

Bus 62 or 89 stop: Porte de France

Bus 64, 132 stop: Bibliothèque François Mitterrand

Googlemap link with itinerary from subway station:

<https://goo.gl/maps/mgKCZ8BHn6cphNL99>

Also potentially relevant: **New syntactic theories**: Monday, 9h-11h30

Optional:

1 among:

- Individual research project (Internship), in any field of cognitive science
- Supersemantics [if prerequisites are met]
- Language in the visual modality [no prerequisite]
- Intro to Logic
- Seminar 'Langage et monde possible' (EHES)
- A class at University de Paris, especially in computational linguistics:

Classes in Computational Linguistics at Université Paris-Cité

Formal Grammars and Parsing, Tuesday 6h45-10h45, Friday 8h30-10h30 (TA sessions),
Olympe de Gouge, s. 309

Machine Learning for Linguistics, Friday 10h30-12h30 (TA sessions) + 13h15-15h15
(Lectures), Olympe de Gouge s. 309

S2 - Second semester of M1

Linguistics default requirements:

- LING 201 Phonology 1
- LING 202 Semantics 1
- LING 203 Language acquisition and processing
- Research project (internship), in any subfield of cognitive science, unless done in the first semester

Optional:

- A class in linguistics at Université de Paris
- Seminar 'Natural Language Ontology: sums, events and degrees' (seminar jointly taught by Jeremy Kuhn and David Nicolas)
- Luigi Rizzi's class and seminar at college de France (no information so far)

S3 - First semester of M2

Default requirements :

1. taking Phonology 2, Semantics 2 or both.

2. Take a language-related class/seminar
 - Language in the visual modality
 - Supersemantics
 - Comparative Cognition
 - Reference and Meaning
 - Machine Learning for Cognitive Sciences
 - Auditory Perception
 - Origins of Concepts
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 - A class at Université de Paris
 - A linguistics Seminar

Language research and linguistics at DEC (not fully exhaustive).

Institut Jean Nicod

Formal approaches to Semantics and Pragmatics, Logic and Philosophy of Language, Language and Reasoning, Experimental approaches to meaning, Sign languages, Animal Communication, Music, gestures

Paul Egré, Carlo Geraci, Jeremy Kuhn, Salvador Mascarenhas, Alda Mari, David Nicolas, François Récanati, Philippe Schlenker, Benjamin Spector, Isidora Stojanovic, Brent Strickland (psychology).

Emmanuel Chemla (associate member), Maria Giavazzi (associate member of the LINGUAE team, specialized in phonology).

LSCP

Psycholinguistics, Phonology, Language Acquisition, Computational Linguistics

Emmanuel Dupoux, Sharon Peperkamp, Anne Christophe, Alex Cristia, Emmanuel Chemla

LSP

Speech Perception

Lauriane Cabrera, Léo Varnet, Christian Lorenzi