

Cognitive Science

General structure

Curriculum M Sc / MA in Cognitive Science

120 ECTS

Titre de groupe d'enseignements	ECTS	Year	Status	Compensation	Prerequisite	Remarks
Compulsory courses	36	1	Compulsory	No	No	
Orientations	24	1	Elective	No	No	
Internship	30	2	Compulsory	No	No	
Master thesis	30	2	Compulsory	No	No	
Total	120					

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1st year

Teaching	Prerequisite	H/week	Semester (A/S)	ECTS	Education Type	Status	Evaluation mode
Compulsory courses: Propedeutics				12		Compulsory	
Neurosciences / Brain and cognition		2	A	6	C	Compulsory	WE 2 H
Philosophy of mind		2	A	3	C	Compulsory	CA graded
Human evolution		2	A	3	C	Compulsory	CA graded
Compulsory courses: Integration				9		Compulsory	
Integrative models		3	A	6	C	Compulsory	CA graded
Seminar series of invited speakers		2	A+S	3	S	Compulsory	CA pass
Compulsory courses: Methods				15		Compulsory	
Methods in cognitive science I		6	A	6	C-W	Compulsory	CA graded
Methods in cognitive science II		2	S	6	C-W	Compulsory	CA graded
Scientific writing for specific purposes		3	A	3	C-W	Compulsory	CA graded
Orientations: Spécialisations				24		Compulsory	
Social cognition and development		2	S	6	C	Elective	CA graded
Cognitive socio-anthropology		2	S	6	S	Elective	CA graded
Meaning and cognition		2	S	6	S	Elective	CA graded
Behavioural ecology (Note 1a)		2	S	3	S	Elective	CA graded
Comparative cognition (Note 1a)		2	S	3	S	Elective	CA graded
Integrative approach to animal behaviour (Note 1b)	Animal Cognition I	2	S	3	S	Elective	CA graded
Animal behaviour research (Note 1b)	Animal Cognition I	2	S	3	S	Elective	CA graded
Communication and coordination		2	S	6	C	Elective	CA graded
Communication and deception		2	S	6	S	Elective	CA graded
Cognitive science and the Arts		2	S	6	S	Elective	CA graded
Free elective (Note 2)		2	S	6	S	Elective	CA graded
Total 1st year				60			

Cognitive Science

2nd year

Teaching	Prerequisite	H/week	Semester (A/S)	ECTS	Education Type	Status	Evaluation mode
Internship				30		Compulsory	
Internship			A / S	30	IN	Compulsory	CA graded
Master thesis				30		Compulsory	
Master thesis			A / S	30		Compulsory	CA graded
Total 2nd year				60			
Total 1st and 2nd years				120			

The specifics characteristics of each course are specified in the online course descriptions.

Abbreviations

C = Course	W = Workshop	WE = written exam	A = Autumn semester
S = Seminar	C-W = Course-Workshop		S = Spring semester
C-S = Course-seminar	F = Field (Travel, etc.)	CA (pass)= continuous assessment without grading, modalities fixed in course descriptives	
DR = Directed Reading	IN = Internship	CA (graded)= continuous assessment that is graded, modalities fixed in course descriptives	

Information

Master coordinators: Profs F. Clément, L. de Saussure, A. Bangerter, R. Bshary, K. Zuberbühler and D. Mazzarella.

Exams and regulation

Candidates must be registred in IS-Academia for both courses and exams.

Note 1a: Those teachings must be taken together. They correspond to the bloc Animal Cognition I for 6ECTS. Each teaching is evaluate individually. The average of both grades will validate the bloc.

Note 1b: Those teachings must be taken together. They correspond to the bloc Animal Cognition II for 6ECTS. Each teaching is evaluate individually. The average of both grades will validate the bloc. Animal Cognition II can not be taken without Animal Cognition I

Note 2: Up to 6 ECTS free elective(s) can be taken among the relevant teachings of UniNE or in the Triangle Azur / BeNeFri universities with the agreement of the head of programme.

Note

The credits taken into account when calculating academic success are those dictated by the evaluation modalities for each teaching, which are established by the study plans and further detailed in the courses' descriptions. Should an online examination session be planned by the rectorate, the modalities established by the study plans for each teaching are to take place as follows :

- written exams are taken as online written exams, usually with the same allotted time;
- oral exams are taken as online oral exams, usually with the same allotted time.

When the evaluation modality is set outside of the examination session timeframe (graded or non-graded continuous assessment), the same modality is applied even in case of an online session. When necessary, the modality of an evaluation will be adapted to the circumstances according to the professor's indications detailed in the course's description at the beginning of the semester.

Cognitive Science**Acquis de formation**

Au terme de la formation, l'étudiant-e sera capable de :

1. Connaissances et compréhension:

- Décrire les facteurs évolutionnaires qui sous-tendent les comportements sociaux et cognitifs des humains et d'autres espèces
- Spécifier les propriétés de l'esprit d'un point de vue philosophique
- Expliquer l'organisation et le fonctionnement général du cerveau
- Définir les sciences cognitives et illustrer leurs méthodes
- Associer les approches de différentes disciplines à des problématiques cognitives communes

2. Application des connaissances et de la compréhension:

- Mettre en œuvre des stratégies efficaces d'analyse des comportements humains en relation avec leur dimension cognitive et communicative
- Combiner les méthodes de plusieurs disciplines en sciences et sciences humaines et sociales sur l'investigation de la cognition et de la communication
- Créer des protocoles expérimentaux originaux et réaliser des expériences concrètes
- Appliquer des procédures statistiques pour effectuer des inférences empiriques appropriées

3. Capacité de former des jugements:

- Analyser les phénomènes psychosociaux de manière interdisciplinaire
- Evaluer la place de différents niveaux d'activité de la cognition humaine dans le comportement humain : langage, raisonnement, heuristiques, cognition sociale, écologie du

4. Savoir-faire en termes de communication:

- Rédiger des résultats de recherche selon les normes des publications internationales
- Intégrer les thématiques de recherche personnelle dans le cadre d'autres équipes scientifiques lors de stages et de travaux de terrain
- Expliquer des notions complexes en termes accessibles

5. Capacités d'apprentissage en autonomie :

- Synthétiser des démarches en provenance de plusieurs disciplines en vue de son propre développement intellectuel et scientifique
- Identifier ses propres besoins de développement professionnel