

## Curriculum "M Sc / M A in Cognitive Science" (120 ECTS)

GENERAL STRUCTURE	ECTS	STATUS	RESP.
<b>a) Compulsory courses</b>	<b>40</b>		
Propedeutics	15	Compulsory	LdS
Integration	25	Compulsory	FC
<b>b) Specialisations</b>	<b>20</b>	Elective	
<b>c) Internship</b>	<b>30</b>	Compulsory	
<b>d) Master thesis</b>	<b>30</b>	Compulsory	
<b>Total M Sc / M A in Cognitive Science</b>	<b>120 ECTS</b>		

COURSES	Hours per week	Semester	ECTS per module/course	Teacher(s)	Evaluation mode
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### a) Compulsory courses (40 ECTS)

Propedeutics			15 ECTS		
Neurosciences / Brain and cognition	2	A	5	NN	<i>to be defined</i>
Philosophy of mind	2	A	5	Prof. F. Correia	<i>to be defined</i>
Human evolution	3	A	5	Dr W. Müller	<i>to be defined</i>

Integration			25 ECTS		
Integrative models	3	A	6	all professors	CA (graded)
Approaches to cognitive science (practical, data management and statistics)	4	A	6	Prof. K. Zuberbühler et al.	CA (graded)
Methods in cognitive science (seminar)	2	S	5	all professors	CA (graded)
Seminar series of invited speakers	2	A	4	all professors	CA (pass)
Scientific writing for specific purposes	2	S	4	Prof. K. Zuberbühler	CA (graded)

### b) Specialisations (20 ECTS)

(choose 20 ECTS, out of 40 ECTS)

Specialisations			20 ECTS		
Social cognition and development (course)	2	S	5	Prof. F. Clément	CA (graded)
Social cognition and development (seminar*)	2	S	5	Prof. F. Clément	CA (graded)
Linguistics and verbal communication (course)	2	S	5	Prof. L. de Saussure	CA (graded)
Linguistics and verbal communication (seminar, invited speakers and literature studies*)	2	S	5	Prof. L. de Saussure	CA (graded)
Comparative cognition (course and seminar)	3	S	5	Prof. K. Zuberbühler	CA (graded)
Cooperation and conflict (course, literature studies and invited speakers)	3	S	5	Prof. R. Bshary	CA (graded)
Communication, representations and coordination (course)	2	S	5	Prof. A. Bangerter	CA (graded)
Communication, representations and coordination (seminar*)	2	S	5	Prof. A. Bangerter	CA (graded)

### c) Internship (30 ECTS)

Internship		A/S	30		CA (graded)
Internship (specialisations plus or free electives)			30		

### d) Master thesis (30 ECTS)

Master thesis		A/S	30		CA (graded)
Master thesis			30		

<b>Total M Sc / M A in Cognitive Science</b>			<b>120 ECTS</b>		
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\*Prerequisites : seminars must be paired with relevant courses

A= Autumn semester (15 september - 19 december 2014)

S= Spring semester (16 february - 29 may 2015)

**Abbreviations**

CA (pass)= continuous assessment without grading, modalities fixed in course descriptives

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 F. Correia

**Exams and regulation**

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

module number

Cours	ECTS	Obligatoire
<b>Module d'introduction (36 ECTS obligatoires)</b>		
1 Rédaction scientifique	3	3
1 Statistiques	3	3
2 Séminaire Biologie intégrative	3	6
2 Séminaire d'écologie and évolution	3	
2 Séminaire de biodiversité	3	
2 Séminaires des externes	3	3
3 Outils de bioinformatique	3	3
3 Modélisation	3	
3 Méthodes moléculaires	3	3
3 Analyses des substances naturelles	3	
Ethique	3	
Biosécurité	3	
SIG	3	
Microscopie (optique et électronique)	3	
Excursion – Alpes	6	
Excursion - Ecosystèmes méditerranéens	6	
Excursion - Ecologie tropicale	6	
Excursion - Biologie marine	6	
Stage	6	
Cours libres I	3	
Cours libres II	3	
<b>Total</b>	<b>78</b>	<b>21</b>
<b>Modules avancés (24 ECTS obligatoires)</b>		
Agriculture durable	12	24
Ecologie chimique	12	
Evolution & biodiversité	12	
Comportement animal	12	
Ecologie et environnement	12	
Parasitologie	12	
<b>Total</b>	<b>60</b>	
		<b>24</b>

<b>MBPE-comportement animal</b>			<b>12 ECTS</b>		
cours intégratif	3 <sup>1)</sup>	P	3	Prof. R. Bshary et al	
éco-éthologie	3 <sup>1)</sup>	P	3	Prof. R. Bshary	CC noté
éco-physiologie	3 <sup>1)</sup>	P	3	Prof. F. Helfenstein	
cognition comparée	3 <sup>1)</sup>	P	3	Prof. K. Zuberbühler	