

**CURRICULUM COGNITIVE NEUROSCIENCE****MANDATORY COURSES 1st year**

Year	Code	Course	Hours	Credits	SSD	TAF	Semester	Professor(s)	Info
1	154125	Foundations of Cognitive Psychology and Neuroscience I	42	6	M-PSI/02	Caratteriz.	1	<b>Luca Turella (21 ore)</b> Scott Fairhall (21 ore)	
1	154126	Foundations of Cognitive Psychology and Neuroscience II	42	6	M-PSI/01	Caratteriz.	1	<b>Stefania Pighin (21 ore) DOC.RIF.</b> Manuela Piazza (21 ore)	
1	154127	Advanced Cognitive Psychology and Neuroscience	42	6	M-PSI/02	Caratteriz.	2	<b>Scott Fairhall (21)/Luca Turella (21)</b> /Scott Fairhall (21)	
1	154128	Research Design	63	9	M-PSI/02	Caratteriz.	2	<b>Uri Hasson (42 ore) DOC.RIF.</b> Elisa Frasnelli (21 hours)	in common with LMI track
1	154106	Psycholinguistics	42	6	L-LIN/01	Caratteriz.	2	<b>Marco Tettamanti</b>	
1	154095	Introduction to Computer Programming	42	6	ING-INF/05	Caratteriz.	1	<b>Scott Fairhall (42 ore)</b> Moritz Wurm (42 ore)	
1	154080	Neural Foundations of Human Behavior	42	6	BIO/09	Caratteriz.	1	<b>Luigi Cattaneo</b>	
1	154134	Foundations of Brain Imaging	42	6	M-PSI/02	Caratteriz.	1	<b>Jorge Jovicich (22 ore) DOC.RIF.</b> Daniel Baldauf (20 ore)	Language and Multimodal Interaction track students cannot attend this course as "free choice" course

**ELECTIVE COURSES: choose two courses among:**

Year	Code	Course	Hours	Credits	SSD	TAF	Semester	Professor(s)	Info
1	154117	Brain Development and Disease	63	9	M-PSI/02	6 cfu Affine 3 cfu a scelta	2	<b>Yuri Bozzi</b>	
1	154042	Current Issues in Neuroscience: Animal Models	42	6	M-PSI/02	Affine	2	<b>Giorgio Vallortigara (28 ore) DOC.RIF.</b> Uwe Mayer (14 ore)	
1	154118	Cellular and Molecular Neuroscience	63	9	M-PSI/02	6 cfu Affine 3 cfu a scelta	2	<b>Paola Sgadò</b>	The course includes 21 hours of laboratory exercises (at CIBIO).
1	154120	Clinical Neurology and Neuropsychology	42	6	M-PSI/08	Affine	1	Alessandra Dodich (42 ore)	
1	154119	Fundamental Hands on Functional Neuroimaging Analysis	42	6	M-PSI/02	Affine	1	<b>Jorge Jovicich (28 ore)</b> Daniel Baldauf (14 ore)	This course is defined as a 'Lab'.
1	154094	Current Topics in Brain Connectivity	42	6	M-PSI/02	Affine	2	<b>Daniel Baldauf</b>	
1	154116	Advanced Topics in Memory	42	6	M-PSI/02	Affine	2	<b>Marco Tettamanti</b>	

**MANDATORY ACTIVITIES 2nd year**

2	154038	Internship	375	15	NN	F	annual		
2	154039	Master Thesis	750	30	PROFIN_S	E	annual		

**CURRICULUM LANGUAGE AND MULTIMODAL INTERACTION**

**MANDATORY COURSES 1st year**

Year	Code	Course	Hours	Credits	SSD	TAF	Semester	Professor(s)	Info
1	154085	Introduction to Machine Learning for Natural Language Processing	63	9	ING-INF/05	Caratteriz.	2	<b>Aurelie Herbelot DOC.RIF</b>	
1	154101	Research Design	42	6	M-PSI/02	Caratteriz.	2	<b>Uri Hasson (42 ore) DOC.RIF.</b>	In common with CN track
1	154115	Understanding Cognitive Psychology and Neuroscience	63	9	M-PSI/01	Caratteriz.	1	<b>Roberto Bottini</b>	
1	154129	Language in the brain	42	6	M-PSI/02	Caratteriz.	1	<b>Costanza Papagno</b>	
1	154057	Computational Linguistics	63	9	ING-INF/05	Caratteriz.	1	<b>Raffaella Bernardi</b>	
1	154130	Mathematical basics for Cognitive Science	42	6	M-PSI/02	Caratteriz.	2	Elisa Frasnelli	
1	154036	Intro to Human Language	42	6	L-LIN/01	Caratteriz.	1	<b>Roberto Zamparelli (42 ore) DOC.RIF.</b>	

**ELECTIVE COURSES: choose two courses (tot. 12 credits) among:**

Year	Code	Course name	Hours	Credits	SSD	TAF	Semester	Professor(s)	Info
1	154061	Logical Structures in Natural Language	42	6	M-FIL/05	Affine	2	<b>Roberto Zamparelli</b>	
1	154075	Computational Skills for Text Analysis	42	6	ING-INF/05	Affine	1	<b>Luca Ducceschi</b>	
1	154088	Human Language Technologies	42	6	ING-INF/05	Affine	2	<b>Carlo Strapparava</b>	
1	154107	Neuroimaging for Data Science	42	6	M-PSI/02	Affine	1	<b>Marco Tettamanti (21 ore)</b> Daniel Baldauf (21 ore)	Corso mutuato dal Dipartimento di Sociologia e ricerca sociale. Cognitive Neuroscience track students cannot attend this course as "free choice" course
1	154108	Language and Social Cognition	42	6	M-PSI/02	Affine	1	<b>Uri Hasson</b>	

**MANDATORY ACTIVITIES 2nd year**

2	154038	Internship	375	15	NN	F	Annual		
2	154039	Master Thesis	750	30	PROFIN_S	E	Annual		

**FREE CHOICE COURSES FOR BOTH CN AND LMI. Choose two courses (tot. 12 credits) among the following or among the courses offered within the Master's:**

Year	Code	Course	Hours	Credits	SSD	TAF	Semester	Professor(s)	Info
1,2	154072	Scientific Communication	42	6	M-PSI/01	A scelta	1	<b>Stefania Bracci</b> (30 ore) Uwe Mayer (12 ore)	
1,2	154122	Advanced Hands on fMRI Analysis	42	6	M-PSI/02	A scelta	2	<b>Stefania Bracci (24)</b> Moritz Wurm (12) Scott Fairhall (6)	This course is defined as a 'Lab'.
1,2	154123	Advanced Hands on M/EEG Analysis	42	6	M-PSI/02	A scelta	2	<b>Paolo Belardinelli</b>	This course is defined as a 'Lab'.
1,2	154064	Advanced Topics in Perception and Attention	42	6	M-PSI/02	A scelta	1	<b>Veronica Mazza (36 ore)</b> Massimiliano Zampini (6 ore)	
1,2	154091	Advanced Topics in Language/Cognition	42	6	L-LIN/01	A scelta	2	<b>Roberto Zamparelli</b>	
1,2	154112	Advanced Topics in Reasoning and Decision Making	42	6	M-PSI/01	A scelta	1	Stefania Pighin (42 ore)	
1,2	154113	Advanced Topics in Motor Cognition	42	6	BIO/09	A scelta	2	<b>Luca Turella</b>	
1,2	154124	Multimodal Electrophysiological Recording and Stimulation	42	6	BIO/09	A scelta	1	<b>Paolo Belardinelli</b>	
1,2	154131	Cognitive Neuroscience of infant Development	42	6	M-PSI04	A scelta	1	<b>Eugenio Parise</b>	
1,2	154132	Invertebrate Neuroscience	21	3	BIO/05	A scelta	2	Elisa Frasnelli	
1,2	154133	Comparative neuroanatomy and brain evolution	42	6	BIO/09	A scelta	1	<b>Uwe Mayer</b>	