

Cohort 2024	Biotechnology for Neuroscience					
	First year					
Code	Course	ECTS		Sector	Semester	Type
NEU0264	DATA SCIENCE	15			First+Second	Mandatory
	STATISTICS AND DATA ANALYSIS		5	FIS/07	First	
	BIOINFORMATICS		5	BIO/11	First	
	PROGRAMMING FOR DATA SCIENCE		5	INF/01	Second	
NEU0265	NEUROANATOMY AND NEURAL DEVELOPMENT	8			First	Mandatory
	NEURONATOMY		6	BIO/16	First	
	NEURAL DEVELOPMENT		2	BIO/06	First	
NEU0266	MOLECULAR AND CELLULAR NEUROBIOLOGY	10			First	Mandatory
	MOLECULAR NEUROBIOLOGY		5	BIO/11	First	
	CELLULAR NEUROBIOLOGY		5	BIO/13	First	
NEU0267	NEUROPATHOLOGY AND NEUROGENETICS	7			Second	Mandatory
	NEUROPATHOLOGY		5	MED/04	Second	
	NEUROGENETICS		2	MED/03	Second	
NEU0268	NEUROPHYSIOLOGY AND NEUROPHARMACOLOGY	15			Second	Mandatory
	NEUROPHYSIOLOGY		10	BIO/09	Second	
	NEUROPHARMACOLOGY		5	BIO/14	Second	
NEU0283	INTERNSHIP I	5			First+Second	Mandatory
	TOTAL ECTS		60			

Cohort 2024	Biotechnology for Neuroscience						
	Second year						
Code	Course	ECTS		Sector	Semester	Type	
NEU0269	CLINICAL NEUROSCIENCES I	6			First	Mandatory	
	NEUROLOGY		5	MED/26	First		
	NEUROSURGERY		1	MED/27	First		
NEU0270	NEUROIMAGING I	5			First	Mandatory	
	NEUROIMAGING TECHNOLOGIES I		2	CHIM/03	First		
	NEUROIMAGING TECHNOLOGIES II		1	FIS/07	First		
	CLINICAL NEUROIMAGING I		2	MED/37	First		
NEU0272	CLINICAL NEUROSCIENCES II	8			Second	Optional	
	PSYCHIATRY		5	MED/25	Second		
	CHILD NEUROPSYCHIATRY		1	MED/39	Second		
	CLINICAL PSYCHOLOGY		1	M-PSI/08	Second		
	ENDOCRINOLOGY		1	MED/13	Second		
NEU0273	PSYCHOLOGICAL NEUROSCIENCES	8			First	Optional	
	GENERAL PSYCHOLOGY		2	M-PSI/01	First		
	PSYCHOBIOLOGY		2	M-PSI/02	First		
	SOCIAL PSYCHOLOGY		2	M-PSI/05	First		
	ORGANIZATIONAL PSYCHOLOGY		2	M-PSI/06	First		
NEU0284	INTERNSHIP II	7			First+Second	Mandatory	
NEU0285	THESIS I	4			First	Mandatory	
NEU0271	ECONOMICS AND LEGISLATION	6			Second	Mandatory	
	BIOTECH COMPANY MANAGEMENT (BIO0164 Pds GEN)		4	SECS-P/08	Second		
	MEDICAL LEGISLATION		2	MED/43	Second		
NEU0274	NEUROIMAGING II	4			First	Optional	
	FUNCTIONAL NEUROIMAGING		1	M-PSI/02	First		
	NEUROIMAGING GENETICS		2	FIS/07	First		
	CLINICAL NEUROIMAGING II		1	MED/37	First		
NEU0275	BRAIN-MACHINE INTERFACES	4			Second	Optional	
	BRAIN-COMPUTER INTERFACES		1	BIO/09	Second		
	FUNDAMENTALS OF SIGNAL PROCESSING AND APPLICATIONS		2	ING-INF/06	Second		
	HUMAN-MACHINE INTERACTION		1	M-PSI/02	Second		
NEU0276	NEUROECONOMICS	4			First	Optional	
	NEUROECONOMICS I		3	SEC-S/06	First		
	NEUROECONOMICS II		1	M-PSI/02	First		
NEU0277	ANALYSIS OF MOVEMENT	4			First	Optional	

		BIOMECHANICS OF MOVEMENT		2	FIS/07	First	
		CLINICAL ANALYSIS OF MOVEMENT		2	MED/26	First	
NEU0278	COMPUTATIONAL NEUROSCIENCE		4			First	Optional
		COMPUTATIONAL NEUROSCIENCE I		2	FIS/02	First	
		COMPUTATIONAL NEUROSCIENCE II		2	M-PSI/01	First	
NEU0279	COMPUTER VISION		4			Second	Optional
		COMPUTER VISION I		2	M-PSI/03	Second	
		COMPUTER VISION II		1	ING-INF/03	Second	
		COMPUTER VISION III		1	BIO/16	Second	
NEU0280	NEUROMODULATION TECHNIQUES		4			First	Optional
		NEUROMODULATION TECHNIQUES I		1	MED/26	First	
		NEUROMODULATION TECHNIQUES II		1	MED/27	First	
		NEUROMODULATION TECHNIQUES III		1	FIS/07	First	
		NEUROMODULATION TECHNIQUES IV		1	M-PSI/02	First	
NEU0281	SPACE NEUROSCIENCE		4			Second	Optional
		SPACE NEUROBIOLOGY		1	BIO/11	Second	
		SPACE NEUROPHYSIOLOGY		1	BIO/09	Second	
		SPACE NEUROPSYCHOLOGY		2	M-PSI/02	Second	
NEU0282	BIOETHICS AND MIND PHILOSOPHY		4			Second	Optional
		BIOETHICS		2	M-FIL/03	Second	
		MIND PHILOSOPHY		2	M-FIL/05	Second	
NEU0293	APPLIED BIOINFORMATICS		4			Second	Optional
		NEXT GENERATION SEQUENCING DATA ANALYSIS USING LINUX POWER TOOLS		2	BIO/11	Second	
		COMPUTATIONAL PIPELINES		2	BIO/11	Second	
NEU0292	RECORDING AND ANALYSIS OF PSYCHOPHYSIOLOGICAL SIGNALS		4			Second	Optional
		RECORDING AND ANALYSIS OF PSYCHOPHYSIOLOGICAL SIGNALS		4	M-PSI/02	Second	
NEU0294	CLINICAL TRIALS FROM ETHICS TO PRACTICE		4			First	Optional
		HOW TO READ A CLINICAL TRIAL		2	MED/26	First	
		HOW TO WRITE A CLINICAL TRIAL		2	FIS/07	First	
	ELECTIVE ACTIVITIES						Optional
		SCIENTIFIC COMMUNICATION		1	M-PSI/02	First	
		NEURO-ONCOLOGY		2	MED/26	Second	
NEU0286	THESIS II		12			Second	Mandatory
	CHOICE COURSES		8			Second	Optional
	MANDATORY ECTS		40				
	OPTIONAL AND CHOICE COURSES		20				
	TOTAL ECTS		60				