

NEUROSCIENCE - 42nd cycle

course	SSD	Type of activity	language	hrs	credits	year of attendance	final test	optional/mandatory	curriculum
PATIENT-DERIVED IN VITRO GLIOMA MODELS: FROM PATIENTS TO DISH TO 3D BIOPRINTING TECHNOLOGY.	MED 03	lesson	Italian/English	8	1	1 st	yes	optional	cross-curricular
GLIAL CELLS IN HEALTH AND DISEASE	BIO 10	lesson	English	8	1	1 st	yes	optional	cross-curricular
THE CONCEPT OF STAMINALITY IN NEUROSCIENCE	BIO 16	lesson	Italian/English	8	1	1 st	yes	optional	cross-curricular
MOLECULAR PATHWAYS, BIOMARKER DISCOVERY, AND THERAPEUTIC INNOVATION IN ACUTE AND CHRONIC NEURODEGENERATION	MED 26	lesson	Italian/English	8	1	2 nd	yes	optional	cross-curricular
50 NEURO-IDEA: DAL NEURONE ALLA NEUROETICA	MED 26	lesson	Italian	8	1	1 st	yes	optional	cross-curricular
FOOD AND BRAIN: YIN AND YANG	BIO 10	lesson	Italian	8	1	2 nd	yes	optional	cross-curricular
BIG DATA FOR HEALTHCARE: AN INTRODUCTION	MED 50	lesson	Italian/English	8	1	3 rd	yes	optional	cross-curricular
NEUROMECHANICS OF HUMAN MOVEMENT	M-EDF/01	lesson	English	8	1	1 st	yes	optional	cross-curricular
ANIMAL MODELS OF HUMAN DISEASE IN NEUROSCIENCE	BIO 16	lesson	Italian/English	8	1	2 nd	yes	optional	cross-curricular
META-ANALYSES IN NEUROSCIENCES: AN INTRODUCTION	MED 25	lesson	Italian	8	1	3 rd	yes	optional	cross-curricular
IN VIVO IMAGING FOR ANIMAL MODELS OF DISEASE AND PATIENTS	MED 50	lesson	Italian/English	8	1	2 nd	yes	optional	cross-curricular
NON-INVASIVE BRAIN STIMULATION TECHNIQUES IN COGNITIVE NEUROSCIENCE*	M-PSI/02	lesson	English	16	2	2 nd	yes	optional	cross-curricular
THE POLLUTED BRAIN: THE AIR WE BREATHE, THE BRAIN WE HAVE	BIO 09	lesson	Italian/English	8	1	3 rd	yes	optional	cross-curricular
NEUROPSYCHOPHARMACOLOGY	BIO 14	lesson	English	8	1	3 rd	yes	optional	cross-curricular
PERIPHERAL NEUROPATHIES	BIO16	lesson	Italian/English	12	1	3 rd	yes	optional	cross-curricular
NEUROPSYCHOLOGY LAB	MED 26	lesson	Italian	12	1	2 nd	yes	optional	cross-curricular
THE PRINCIPLE OF 3R IN BOMEDICAL STUDIES	BIO 17	lesson	Italian/English	16	2	1 st	yes	optional	cross-curricular
EXPLORING THE MIND-BRAIN RELATIONSHIP: THEORY AND PRACTICE IN fMRI STUDIES*	PSIC-01/B	lesson	Italian/English	16	2	1 st	yes	optional	cross-curricular
ARTIFICIAL INTELLIGENCE IN NEUROSCIENCE: METHODS AND APPLICATIONS	INF-01	lesson	English	16	2	1 st	yes	optional	cross-curricular
MR IMAGING OF NORMAL AND PATHOLOGICAL HUMAN BRAIN DEVELOPMENT	MED 37	lesson	Italian/English	8	1	1 st	yes	optional	cross-curricular
PIANIFICAZIONE E CONDUZIONE DI UNO STUDIO CLINICO / PLANNING AND CONDUCTION OF A CLINICAL STUDY**	MED41	lesson	English	8	1	1 st	yes	optional	cross-curricular
TERAPIA DEL DOLORE E CURE PALLIATIVE PEDIATRICHE / PEDIATRIC PAIN TREATMENT AND PALLIATIVE CARE	MED41	lesson	Italian/English	8	1	1 st	yes	optional	cross-curricular

* course provided by the PhD programme in Psychology, Linguistics and Cognitive Neuroscience

** course provided by the PhD programme in Translational and Molecular Medicine – DIMET