![Università degli Studi di Padova logo]

All. II - Annex II - BRAIN AND DATA SCIENCE Study Programme from UNIPD to ISRAEL

CURRICULUM "ISRAEL" (for Italian students going to Israel University)

COURSE UNIT		CFU/ECTS	no. hours	Compulsory course units	Teaching language	Grading System
FIRST YEAR (in PADOVA)						
FIRST YEAR COMPULSORY COURSE UNITS						
INTEGRATED COURSE OF PRINCIPLES OF NEUROSCIENCE AND NEUROPSYCHOLOGY	PRINCIPLE OF COGNITIVE NEUROSCIENCE (MODULE A)	6	42	YES	English	Numerical Grade
	NEUROIMAGING TECHNIQUES (MODULE B)	6	42	YES	English	Numerical Grade
NEW CONCEPTS IN DEVELOPMENTAL PSYCHOLOGY		6	42	YES	English	Numerical Grade
ADVANCED SOCIAL PSYCHOLOGY AND SOCIAL NEUROSCIENCE		6	42	YES	English	Numerical Grade
NEUROANATOMY		6	42	YES	English	Numerical Grade
FIRST YEAR OPTIONAL COURSE UNITS (students should choose 1 of the following course units)						
DEVELOPMENTAL AND AGING BRAIN IN VISION		6	42	NO	English	Numerical Grade
MECHANISMS OF CONSCIOUSNESS AND ERROR MONITORING		6	42	NO	English	Numerical Grade
COGNITION AND COMPUTATION		6	42	NO	English	Numerical Grade
INDIVIDUAL DIFFERENCES IN COGNITION		6	42	NO	English	Numerical Grade
PSYCHOLOGY OF ECONOMIC DECISIONS		6	42	NO	English	Numerical Grade
NEW CONCEPTS IN COGNITIVE PSYCHOLOGY		6	42	NO	English	Numerical Grade
FIRST YEAR OPTIONAL COURSE UNITS (students should choose 1 of the following course units)						
HUMAN ELECTROPHYSIOLOGY		6	42	NO	English	Numerical Grade
COGNITIVE NEUROSCIENCE OF ACTION		6	42	NO	English	Numerical Grade
NEUROPSYCHOLOGICAL ASSESSMENT AND REHABILITATION		6	42	NO	English	Numerical Grade
FIRST YEAR OPTIONAL COURSE UNITS (students should choose 1 of the following course units)						
CLINICAL NEUROPSYCHOLOGY		6	42	NO	English	Numerical Grade
AFFECTIVE NEUROSCIENCE AND PSYCHOPATHOLOGY		6	42	NO	English	Numerical Grade
FIRST YEAR OPTIONAL COURSE UNITS (students should choose 2 of the following course units)						
NEW TECHNOLOGIES AND HUMAN BEHAVIOUR		6	42	NO	English	Numerical Grade
ANIMAL MODELS IN NEUROBIOLOGY		6	42	NO	English	Numerical Grade
NEURAL NETWORKS AND DEEP LEARNING		6	42	NO	English	Numerical Grade
NEW TRENDS IN NEUROSCIENCE		6	42	NO	English	Numerical Grade

60 ECTS

COURSE UNIT	CFU/ECTS	no. hours	Compulsory course units	Teaching language	Grading System
SECOND YEAR (in ISRAEL)					
SECOND YEAR COMPULSORY COURSE UNITS					
NEURAL NETWORKS AND DEEP LEARNING	12		YES	English	Numerical Grade
SIGNAL AND DATA ANALYSIS	12		YES	English	Numerical Grade
SECOND YEAR COMPULSORY SEMINAR					
DATA SCIENCE SEMINAR	6		YES	English	Pass/Fail

TRAINING AND FINAL DISSERTATION						
TRAINING	12	375	YES	English	Numerical Grade	
FINAL DISSERTATION ***	18	300	YES	English	Numerical Grade	**60 ECTS**