

Year 2 Courses

Place	OCT	NOV	DEC	JAN	FEBR.- AUGUST
C A C H A N	Biosensors (5)				M A S T E R T H E S I S
	Fluorescence in Biology (5)				
	Ion Channel recording (5)				
	Cytoskeleton (5)	Neurobiology (5)	Methods in Cell Biology (3)		
	Nanothermics (3)		Nonlinear Optics (3)		
	Light-Matter Interactions : Advanced Course (3)		Advanced Mathematics (2)		
U P A D	Physical Chemistry of Tissue interface (6)				
	Imaging and cellular electrophysiology (3)				
	From neuron to neuronal networks (3)				
	Modelization and Neurophysics (3)				
W U T	Bioorganic chemistry with elements of biochemistry (6)				
	Genetic Engineering (6)				
	Fluorescence spectroscopy and imaging in life sciences (6)				
	Bioorganic chemistry for photonics (6)				
	Methods of structural investigations in physics, chemistry and biology (6)				
	Micro- and Nanophotonics – Photonic Bandgap structures(6)				
	Nanoscale Physics (6)				
	Liquid Crystals in Photonics (6)				
	Molecular Electronic Materials (6)				
	Theoretical modelling of NLO properties (6)				
	Monte-Carlo-based Modelling (6)				
All partners	Interdisciplinary and Entrepreneurship modules (Seminars, lab visits, evening meetings...)				Final discussion (6 ECTS)