Department of Biomedical Engineering

Innovative Therapies
Spring Semester

COURSE	HOURS	ECTS
COURSE UNIT 1: MEDICAL APPLICATIONS		
Clinical Translation	10	1
Medical Imaging and Processing	36	3
COURSE UNIT 2: ELECTRONICS		
Electronics and Embedded Systems	50	5
Optimization	24	2
COURSE UNIT 3: COMPUTATIONAL BIOLOGY		
Intro. to Computational Biology	12	1
Biology and Biological Imaging	20	2
Project	50	5
COURSE UNIT 4: PHYSICS		
Physics of lasers and optical fibers	13	1
Introduction to Nanoscience	7	1
Physics of sensors	13	1
COURSE UNIT 5: R&D PROJECT		
Research and Development Project	50	5
COURSE UNIT 6: FRENCH LANGUAGE AND INTERCULTURALITY		
French Language	25	2
Interculturality	15	1

TOTAL	**325**	**30**