

Program for French speaking students					
Units	Year 1 Term 1	Lectures	Tutorials	Practical work	Total
UE 1	Biostatistics	0	20	0	20
UE 2	Working environment	0	40	0	40
UE 2a	English		20		20
UE 2b	Working project		20		20
UE 3	Biomembranes and cellular trafficking	30	10	0	40
UE 4	Biology of development	26	14	0	40
UE 5	Refresher courses in Mathematics and Physics	20	12	12	44
UE 5a	Mathematics	8			8
UE 5b	Physics	12	12	12	36
UE 6	Solutions in Imaging and Image processing	20	20	0	40
UE 7	Specialisation Imac1 (1 choice among 4)	31	9	0	40
choice 1	The major systems of neurotransmission and their disorders	30	10		40
choice 2	Improvement in vegetal biotechnologies	24	16		40
choice 3	Molecular pathology of infectious agents	40			40
choice 4	Introduction to medical image analysis	30	10		40
UE 8	Upgrading in Biology or English	14	16		30
choice 1	Upgrading in English and validation of B2 level		20		20
choice 2	Regulation of genome expression and epigenetic	28	12		40
	Total Hours / student	141	141	12	294
Units	Year 1 Term 2	Lectures	Tutorials	Practical work	Total
UE 1	Imaging Techniques 1	30	10	40	80
UE 2	Instrumentation in medical imaging : Theoretical aspects	40	0	0	40
UE 3	Management of a technical platform	28	12	0	40
UE 4	Specialisation Imac 2 (1 choice among 2)	6	0	0	6
Obligatory	Hygiene and Safety in laboratory	6			6
choice 1	Training period alone (8 weeks)				0
choice 2	Training period (6 weeks) + Medical imaging	30	10		40
	Total Hours / student	104	22	40	166
Units	Year 2 Term 1	Lectures	Tutorials	Practical work	Total
UE 1	Imaging techniques 2	24	20	66	110
UE 1a	High level microscopy	6	0	8	14
UE 1b	Applications in Biology	18	20	58	96
UE 2	Processing of biological images	30	20	20	70
UE 2a	Digital images	8	0	0	8
UE 2b	Computing and image processing	22	20	20	62
UE 3	Laser Optics and Detectors	20	12	0	32
UE 3a	Laser radiations	8	6	0	14
UE 3b	Detectors	6	6	0	12
UE 3c	Applications in Biology	6	0	8	14
UE 4	Law and Company	48	0	0	48
UE 4a	Law	24	0	0	24
UE 4b	Company and Innovation	24	0	0	24
UE 5	English & Communication	12	26	0	38
UE 5a	English	0	20	0	20
UE 5b	Communication	12	6	0	18
	Total Hours / student	134	78	86	298
Units	Year 2 Term 2	Lectures	Tutorials	Practical work	Total
UE 1	Metrology of imaging systems	10	10	0	20
UE 2	Sale and Marketing	24	30	0	54
UE 2a	Selling techniques	0	30	0	30
UE 2b	Marketing techniques	24	0	0	24
UE 3	Management of project	0	0	0	0
UE 4	Training period (6 months)	0	0	0	0
	Total Hours / student	34	40	0	74