

## Studies Plan

### Physique 2023-24

#### Block 1

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit	
Language	Code	Section	Teacher	l e p	l e p	l e p	l e p			
F	<b>Analytical mechanics (for SPH)</b> PHYS-202 PH		De Los Rios	3h 2h				Win	Written	5
E	<b>Physics III</b> PHYS-200 PH		Dil	4h 2h				Win	Written	6
F	<b>Physics IV</b> PHYS-206 PH		Ricci		3h 2h			Sum	Written	5
E	<b>Quantum mechanics I</b> PHYS-207 PH		Banerjee		3h 2h			Sum	Written	5

#### Block 2

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit	
Language	Code	Section	Teacher	l e p	l e p	l e p	l e p			
F	<b>Analysis III</b> MATH-201 MA		Picasso	3h 2h				Win	Written	5
F	<b>Analysis IV</b> MATH-206 MA		Aru		2h 2h			Sum	Written	4
F	<b>Data analysis for Physics</b> PHYS-231 PH		Zdeborová	2h 2h				Win	Written	4
E	<b>Mathematical methods for physicists</b> PHYS-216 PH		Penedones		1h 2h			Sum	Written	3
F	<b>Physique numérique (pour SPH)</b> PHYS-210 PH		Villard		2h 3h 1h			Sum	During the semester	6
F	<b>Probability and statistics</b> MATH-233 MA		Davison	2h 1h				Win	Written	3

#### Block 3

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit	
Language	Code	Section	Teacher	l e p	l e p	l e p	l e p			
F	<b>Physics lab IIa</b> PHYS-204 PH		Mari Meinen Salles Tkalec Váju	5h				Sum	During the semester	10
F	<b>Physics lab IIb</b> PHYS-211 PH		Mari Tkalec Váju		5h			Sum	During the semester	10

#### Block 4

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit	
Language	Code	Section	Teacher	l e p	l e p	l e p	l e p			
E	<b>Classical electrodynamics</b> PHYS-324 PH		Gorbenko			2h 2h		Win	Written	4
F	<b>Nuclear and particle physics I</b> PHYS-311 PH		Schneider			2h 2h		Win	Written	4
E	<b>Quantum physics I</b> PHYS-313 PH		Savona			3h 2h		Win	Written	5
E	<b>Quantum physics II</b> PHYS-314 PH		Holmes				3h 2h	Sum	Written	5
F	<b>Solid state physics I</b> PHYS-309 PH		Brune			2h 1h		Win	Written	3
F	<b>Solid state physics II</b> PHYS-310 PH		Brune Pivetta				3h 2h	Sum	Written	5

F	<b>Statistical physics I</b> PHYS-315 PH	Müller	2h 2h	Win	Written	4
F	<b>Statistical physics II</b> PHYS-316 PH	Wyart	2h 2h	Sum	Written	4

#### Block 5

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit
Language Code	Section	Teacher	l e p	l e p	l e p	l e p			
F	<b>Introduction to construction technics</b> PHYS-300(a) PH	Burnens Gentile Turin			3h				
F	<b>Physics lab IIIa</b> PHYS-319 PH	Magrez Mari Tkalcec Vāju			8h		Win	During the 8 semester	8
F	<b>Physics lab IIIb</b> PHYS-320 PH	Magrez Mari Tkalcec Vāju				8h	Sum	During the 8 semester	8

#### Group "options"

Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit
Language Code	Section	Teacher	l e p	l e p	l e p	l e p			
F	<b>Astrophysics II</b> PHYS-323 PH	Jablonka			2h 1h		Win	Written	3
E	<b>Biophysics : physics of the cell</b> PHYS-301 PH	Manley				2h 1h	Sum	Written	3
E	<b>Computational physics III</b> PHYS-332 PH				1h 2h		Sum	During the 3 semester	3
F	<b>Functional analysis (for PH)</b> PHYS-331 PH	Bossoney			2h 1h		Win	Oral	3
F	<b>Introduction to plasma physics</b> PHYS-325 PH	Loizu				2h 1h	Sum	Oral	3
F	<b>Nuclear and particle physics II</b> PHYS-312 PH	Schneider				2h 1h	Sum	Oral	3
F	<b>Optics I</b> PHYS-317 PH	Dwir			2h 1h		Win	Oral	3
F	<b>Optics II</b> PHYS-318 PH	Houdré				2h 1h	Sum	Oral	3

#### Transverse block HSS

Courses			Exam Session	Exam	Credit
Language Code	Section	Teacher			
F	<b>SHS : Bachelor cycle BA6</b> SHS				2
F	<b>HSS : Bachelor cycle BA5</b> SHS				2
F	<b>HSS : Bachelor cycle BA4</b> SHS				2
F	<b>HSS : Bachelor cycle BA3</b> SHS				2