

## First Year

### Compulsory courses

MATH0009-2	<i>General mathematics</i>				<b>13</b>
	- Part A (S1 - Common courses) - Françoise BASTIN	30	30	-	
	- Part B (S2) - Françoise BASTIN	30	30	-	
PHYS0088-4	<i>Physics</i>				<b>19</b>
	- Part A (S1 - Common courses) - Nicolas VANDEWALLE	30	30	-	
	- Part B (S2) - Ngoc Duy NGUYEN - [20h QA Sess.]	60	30	[+]	
CHIM0099-2	<i>Chemistry, part A (S1 - Common courses)</i> - Rudi CLOOTS	30	30	-	<b>7</b>
BIOL0006-1	<i>Biology, part A (S1 - Common courses)</i> - Marc THIRY	30	30	-	<b>6</b>
STER0001-1	<i>Introduction to geography and geology, (Q1 - Tronc commun)</i> - Jean-Paul DONNAY, Michel ERPICUM, Jean-Marie HALLEUX, Edouard POTY	10	-	-	<b>1</b>
INFO0201-1	<i>Introduction to computer programming</i> - Peter SCHLAGHECK	20	40	-	<b>6</b>
MATH0476-1	<i>Geometry</i> - Pierre MATHONET	30	15	-	<b>4</b>
LANG0076-1	<i>English 1, (Q1 + Q2) (english language)</i> - Véronique DOPPAGNE, ISLV	45	-	-	<b>4</b>

## Second Year

### Compulsory courses

MATH0215-3	<i>Algebra</i> - Michel RIGO	35	15	-	<b>4</b>
MATH0247-3	<i>Analysis</i> - Françoise BASTIN	40	40	-	<b>7</b>
MECA0201-1	<i>Analytical Mechanics I</i> - Pierre DAUBY	30	30	-	<b>6</b>
PHYS0060-1	<i>Structures and Symmetries</i> - Matthieu VERSTRAETE	30	20	-	<b>4</b>
PHYS2008-1	<i>Electromagnetism and optics</i> - Serge HABRAKEN, John MARTIN	45	25	-	<b>7</b>
PHYS2009-1	<i>Modern Physics</i> - Laurent DREESEN	30	25	-	<b>5</b>
PHYS2010-1	<i>Thermodynamics</i> - Nicolas VANDEWALLE	30	15	-	<b>4</b>
CHIM0274-2	<i>General Chemistry (2nd part), included an introduction to organic chemistry.</i> - Bénédicte VERTRUYEN - [20h Labo., 10h QA Sess.]	40	-	[+]	<b>7</b>
PHYS0209-1	<i>Numerical methods in physics</i> - Thierry BASTIN	25	35	-	<b>6</b>
LANG0077-1	<i>English 2 (english language)</i> - Véronique DOPPAGNE, ISLV	45	-	-	<b>4</b>
STRA0004-2	<i>Student project</i> - David STRIVAY	20	-	-	<b>3</b>
PHYS0957-1	<i>Physics of Fluids</i> - Hervé CAPS	20	10	-	<b>3</b>

### Optional free course

OCEA0053-1	<i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT, Anne GOFFART	15	25	-	<b>4</b>
------------	---	----	----	---	----------

## Third Year

### Compulsory courses

PHYS0089-1	<i>Mathematical tools of physics</i> - Peter SCHLAGHECK	30	30	-	<b>6</b>
STAT0064-2	<i>Statistics of experimental data in physics</i> - Paul GÉRARD	20	15	-	<b>3</b>
PHYS0958-1	<i>Quantum Physics : theory</i> - Thierry BASTIN	30	30	-	<b>5</b>
PHYS0959-1	<i>Quantum Physics : applications</i> - Thierry BASTIN	20	10	-	<b>3</b>
PHYS2011-1	<i>Experimental physics</i>				<b>9</b>
	- part a) <i>Electronic and instrumentation</i> - Ngoc Duy NGUYEN	30	35	-	
	- part b) <i>nuclear detection</i> - David STRIVAY	10	25	-	
PHYS0212-2	<i>Statistical physics</i> - Nicolas VANDEWALLE	30	30	-	<b>6</b>
PHYS0936-2	<i>Materials Physics</i> - Philippe GHOSEZ - Suppl : Matthieu VERSTRAETE	30	20	-	<b>5</b>
MECA0202-2	<i>Analytical Mechanics II</i> - Jean SURDEJ	30	30	-	<b>6</b>
PHIL0201-1	<i>Elements of philosophy</i> - Julien PIERON	15	-	-	<b>2</b>
ASTR0204-2	<i>Astrophysics and geophysics</i> - Marc-Antoine DUPRET	30	30	-	<b>6</b>
STRA0005-3	<i>Training sessions and personal activities</i> - Ngoc Duy NGUYEN, Christelle PROSPERI - [2d FW]	10	30	[+]	<b>5</b>
LANG0082-1	<i>English 3 (english language)</i> - Véronique DOPPAGNE, Ellen HARRY, ISLV	45	-	-	<b>4</b>