

**Block view of the study programme**

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**Block 1**
**Compulsory courses**

MATH2007-1	<i>General mathematics I</i> - Françoise BASTIN	Q1	30	40	-	7
PHYS1985-1	<i>General physics I</i> - John MARTIN, Nicolas VANDEWALLE	Q1	40	40	-	7
CHIM0737-3	<i>Chemistry</i> - <i>Theory</i> - Rudi CLOOTS - <i>Pratique</i> - Rudi CLOOTS	Q1	30	-	-	7
BIOL0006-2	<i>Biology</i> - Marc THIRY	Q1	30	40	-	7
STER0003-2	<i>Earth sciences, Géology</i> - Frédéric HATERT	Q1	15	10	-	2
MATH1009-1	<i>General mathematics II</i> - Françoise BASTIN	Q2	30	30	-	6
PHYS1986-1	<i>General physics II, Part A</i> - Ngoc Duy NGUYEN	Q2	35	25	-	6
CHIM0738-2	<i>General chemistry</i> - <i>Theory</i> - Loïc QUINTON - <i>Further theory</i> - Loïc QUINTON - <i>Practice</i> - Loïc QUINTON - [35h Mon. WS]	Q2	30	-	-	8
CHIM0205-2	<i>Organic chemistry I</i> - JeanChristophe MONBALIU - [15h QA Sess.]	Q2	40	35	[+]	8
LANG2967-3	<i>English: introduction (english language)</i> - Véronique DOPPAGNE	Q2	30	-	-	2

**Learning support activities**

IREM0001-1	<i>Adjusting working methods after the January session (reduced course loads)</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0002-1	<i>Getting organised in the specific context of reduced course loads</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]	Q2	-	-	[+]	-
IREM0003-1	<i>Preparing for the Spring block and the May-June exams (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0005-1	<i>Planning the second session (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+]	-
IREM0006-1	<i>#BloqueBooster: supervised exam revision in the Spring holidays</i> - Stéphanie GENDARME - [5d REM]	Q2	-	-	[+]	-
IREM0007-1	<i>Zen@etudes: How and why to manage stress? (reduced course loads)</i> - Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
IREM0008-1	<i>Keeping or increasing motivation in a context of a reduced course loads</i> - Céline MATHY, Sandrine WUIDART - [2h REM]	Q2	-	-	[+]	-
IREM0009-1	<i>Hebdo MethodO support with additional help in connection to the context of repeating a year</i> - Sylviane HUBERT, AnneFrance LANOTTE - [5h REM]	TA	-	-	[+]	-
IREM0010-1	<i>Getting the year off to a good start</i> - Sylviane HUBERT, AnneFrance LANOTTE - [2h REM]	Q1	-	-	[+]	-
IREM0011-1	<i>Progressing effectively in the 1st term</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM]	Q1	-	-	[+]	-
IREM0012-1	<i>Preparing for the January exams: becoming familiar with the requirements and specificities of university exams</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q1	-	-	[+]	-
IREM0013-1	<i>Planning your January session: establishing a work programme</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q1	-	-	[+]	-
IREM0014-1	<i>Working effectively in the second term</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [2h REM]	Q2	-	-	[+]	-
IREM0015-1	<i>Adapting your organisation after the January session (fewer than 30 credits)</i>	Q2	-	-	[+]	-

	<i>approved</i> ) - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM]				
IREM0016-1	<i>Planning your May-June session (fewer than 30 credits approved)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+] -
IREM0017-1	<i>Planning your second session (fewer than 30 credits approved)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM]	Q2	-	-	[+] -
IREM0018-1	<i>Maintaining or rediscovering your motivation if you have to repeat a year (Q1)</i> - Céline MATHY, Sandrine WUIDART - [2h REM]	Q1	-	-	[+] -
IREM0019-1	<i>Zen@etudes: The hows and whys of stress management (fewer than 30 credits approved - Q1)</i> - Sandrine WUIDART - [2h REM]	Q1	-	-	[+] -
IREM0020-1	<i>Maintaining or rediscovering your motivation if you have to repeat a year (Q2)</i> - Céline MATHY, Sandrine WUIDART - [2h REM]	Q2	-	-	[+] -
IREM0021-1	<i>Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2)</i> - Sandrine WUIDART - [2h REM]	Q2	-	-	[+] -
LREM0005-1	<i>Taking stock of your French skills (Q2)</i> - Marielle MARÉCHAL - [15h REM]	Q2	-	-	[+] -
LREM0010-1	<i>Taking stock of your skills in French (Q1)</i> - Samia HAMMAMI, Frédéric SAENEN - [15h REM]	Q1	-	-	[+] -
SREM0002-2	<i>Learning support activities in Chemistry, for Chemistry</i> - Rudi CLOOTS - [24h REM]	TA	-	-	[+] -
SREM0005-1	<i>Learning support activities in Mathematics, for Chemistry</i> - Françoise BASTIN - [20h REM]	TA	-	-	[+] -
SREM0009-1	<i>Learning support activities in Physics I, for Chemistry</i> - John MARTIN, Nicolas VANDEWALLE - [20h REM]	TA	-	-	[+] -
SREM0014-2	<i>Learning support activities in Biology, for Chemistry</i> - Marc THIRY - [20h REM]	TA	-	-	[+] -
SREM0017-3	<i>Learning support activities in Chemistry II, for Chemistry</i> - Loïc QUINTON - [18h REM]	Q2	-	-	[+] -
SREM0019-2	<i>Learning support activities in Mathematics II, for Chemistry</i> - Françoise BASTIN - [10h REM]	Q2	-	-	[+] -
SREM0021-1	<i>Learning support activities in Physics II, for Chemistry</i> - Ngoc Duy NGUYEN - [20h REM]	Q2	-	-	[+] -

#### Block 2

#### Compulsory courses

MATH2014-1	<i>Mathematics supplements</i> - Françoise BASTIN <b>Prerequisite :</b> MATH1009-1 - Mathématiques générales II	Q1	12	13	-	<b>3</b>
PHYS0099-1	<i>Complement of general physics</i> - David STRIVAY - [10h QA Sess.] <b>Prerequisite :</b> PHYS1986-1 - Physique générale II PHYS1985-1 - Physique générale I  <i>Notice :</i> + one day of facultative visit	Q1	25	20	[+]	<b>4</b>
CRIS0203-1	<i>Elements in crystallography</i> - Rudi CLOOTS <b>Prerequisite :</b> PHYS1985-1 - Physique générale I	Q1	15	15	-	<b>2</b>
CHIM0739-1	<i>Physical chemistry</i> - <i>Thermodynamics</i> - Loïc QUINTON - [15h Mon. WS] - <i>Electrochemistry</i> - Loïc QUINTON - [10h Mon. WS] <b>Prerequisite :</b> CHIM0738-2 - Chimie générale	Q1		20 20 20 10	[+] [+]	<b>8</b>
CHIM0704-1	<i>Theoretical chemistry</i> - Françoise REMACLE - [15h QA Sess.]	Q1	25	-	[+]	<b>4</b>

**Prerequisite :**

PHYS1985-1 - Physique générale I

MATH1009-1 - Mathématiques générales II

**Corequisite :**

MATH2014-1 - Compléments de mathématique

CHIM9283-1	<i>Organic Chemistry II, Part A</i> - JeanChristophe MONBALIU - [10h QA Sess.]	Q1	25	45	[+]	<b>6</b>
	<b>Prerequisite :</b> CHIM0205-2 - Chimie organique I					
CHIM9284-1	<i>Analytical chemistry I - Chemical analysis methods</i> - Theory - Gauthier EPPE - Practice - Gauthier EPPE - [26h QA Sess.]	Q1	26	-	-	<b>3</b>
	<b>Prerequisite :</b> CHIM0738-2 - Chimie générale CHIM0737-3 - Chimie				[+]	
CHIM9285-1	<i>Chemical Kinetics, Introduction to Spectroscopy and Group Theory</i> - Bernard LEYH - [20h QA Sess.]	Q2	35	-	[+]	<b>6</b>
	<b>Corequisite :</b> CHIM0704-1 - Chimie théorique					
CHIM9283-2	<i>Organic Chemistry II, Part B</i> - JeanChristophe MONBALIU - [8h QA Sess.]	Q2	15	-	[+]	<b>2</b>
	<b>Prerequisite :</b> CHIM0205-2 - Chimie organique I					
	<b>Corequisite :</b> CHIM9283-1 - Chimie organique II					
CHIM9286-1	<i>Analytical Chemistry II - Separation methods</i> - Gauthier EPPE	Q2	20	80	-	<b>6</b>
BIOL2009-1	<i>Biology and introduction to biochemistry</i> - François BEAUFAY	Q2	30	30	-	<b>6</b>
	<b>Prerequisite :</b> BIOL0006-2 - Biologie					
CHIM0706-1	<i>Environmental chemistry including researching and communicating scientific information</i> - Caroline COLLETTE, Gauthier EPPE	Q2	15	5	-	<b>4</b>
	<b>Prerequisite :</b> LANG2967-3 - Anglais : introduction					
	<b>Corequisite :</b> LANG0076-1 - Anglais 1					
INFO0202-1	<i>Programming Methods Applied to Chemistry</i> - Peter SCHLAGHECK	Q2	15	15	-	<b>2</b>
LANG0076-1	<i>English I (english language)</i> - Daphné BUI, Véronique DOPPAGNE	TA	45	-	-	<b>4</b>
	<b>Prerequisite :</b> LANG2967-3 - Anglais : introduction					

**Optional free course**

OCEA0053-1	<i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT, Anne GOFFART	Q2	15	25	-	<b>4</b>
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**Block 3**

**Compulsory courses**

CHIM9287-1	<i>Theoretical and quantum chemistry</i> - Françoise REMACLE - [15h QA Sess.]	Q1	30	20	[+]	<b>4</b>
	<b>Prerequisite :</b> CHIM0704-1 - Chimie théorique					
CHIM9288-1	<i>Spectroscopy and statistical thermodynamics elements</i> - Bernard LEYH - [20h QA Sess.]	Q1	30	-	[+]	<b>4</b>
	<b>Prerequisite :</b> CHIM9285-1 - Cinétique chimique, introduction à la spectroscopie et théorie des groupes					
CHIM0278-1	<i>Organic chemistry III</i> - Lionel DELAUDE - [15h QA Sess.]	Q1	30	55	[+]	<b>7</b>
	<b>Prerequisite :</b> CHIM9283-2 - Chimie organique II CHIM0205-2 - Chimie organique I					
CHIM9289-1	<i>Analytical chemistry III - Physical methods</i>	Q1				<b>8</b>

	- <i>Physico-chemical methods of analysis</i> - Gauthier EPPE	15	-	-		
	- <i>Electrochemical methods of analysis</i> - Gauthier EPPE	15	-	-		
	- <i>Travaux pratiques et répétitions</i> - Gauthier EPPE - [15h QA Sess.]	-	65	[+]		
	<b>Prerequisite :</b> CHIM9286-1 - Chimie analytique II - Méthodes de séparation CHIM9284-1 - Chimie analytique I - Méthodes chimiques d'analyse					
CHIM0678-1	<i>Biochemistry</i> - André MATAGNE	Q1	30	-	-	<b>3</b>
	<b>Prerequisite :</b> BIOL2009-1 - Biologie et introduction à la biochimie					
CHIM9291-1	<i>Structural analysis</i> - Christian DAMBLON, Loïc QUINTON	Q2	20	25	-	<b>4</b>
	<b>Prerequisite :</b> CHIM9285-1 - Cinétique chimique, introduction à la spectroscopie et théorie des groupes					
CHIM0209-2	<i>Inorganic chemistry</i> - Bénédicte VERTRUYEN - [8h QA Sess.]	Q2	30	70	[+]	<b>8</b>
	<b>Prerequisite :</b> CHIM9286-1 - Chimie analytique II - Méthodes de séparation					
CHIM0283-4	<i>Chemistry of the macromolecules</i> - Christine JÉRÔME	Q2	20	20	-	<b>4</b>
PHYS0968-1	<i>Signal processing</i> - Alejandro SILHANEK	Q2	25	20	-	<b>4</b>
	<b>Prerequisite :</b> MATH2014-1 - Compléments de mathématique					
CHIM9293-1	<i>Spectroscopy integrated laboratory</i> - Christian DAMBLON, Gauthier EPPE, Bernard LEYH, JeanChristophe MONBALIU, Loïc QUINTON	Q2	-	100	-	<b>6</b>
	<b>Prerequisite :</b> CHIM9283-2 - Chimie organique II CHIM9283-1 - Chimie organique II					
	<b>Corequisite :</b> CHIM9291-1 - Analyse structurale CHIM9289-1 - Chimie analytique III - Méthodes physiques CHIM9288-1 - Spectroscopie et éléments de thermodynamique statistique					
CHIM9294-1	<i>Research projects and scientific communication</i> - Caroline COLLETTE, JeanChristophe MONBALIU - [30h Internship]	Q2	5	-	[+]	<b>2</b>
PHIL0201-1	<i>Elements of sciences philosophy</i> - Julien PIERON	Q2	15	-	-	<b>2</b>
LANG0077-1	<i>English 2 (english language)</i> - Clara BRERETON, Véronique DOPPAGNE	TA	45	-	-	<b>4</b>
	<b>Prerequisite :</b> LANG0076-1 - Anglais 1					