

Cycle view of the study programme

| | | Bl | Or | Th | Pr | Au | Cr |
|---|--|----|----|----|----|-----|-----------|
| Compulsory courses (B1 : 60Cr, B2 : 60Cr, B3 : 60Cr) | | | | | | | |
| MATH0086-1 | <i>Analysis I, part 1</i> - Céline ESSER | B1 | Q1 | 45 | 30 | - | 7 |
| PHYS1985-1 | <i>General physics I</i> - John MARTIN, Nicolas VANDEWALLE | B1 | Q1 | 40 | 40 | - | 8 |
| CHIM0737-6 | <i>Chemistry</i> - <i>Theory</i> - Rudi CLOOTS - <i>Pratique</i> - Rudi CLOOTS | B1 | Q1 | 30 | - | - | 7 |
| MATH7369-1 | <i>Algebra</i> - <i>Introduction à l'enseignement universitaire de l'algèbre</i> - Michel RIGO - <i>Calcul matriciel</i> - Michel RIGO | B1 | Q1 | 10 | 5 | - | 7 |
| MATH0087-1 | <i>Analysis I, part 2</i> - Céline ESSER | B1 | Q2 | 35 | 30 | - | 6 |
| PHYS1986-2 | <i>General physics II</i> - <i>Part A</i> - Ngoc Duy NGUYEN - <i>Part B</i> - Ngoc Duy NGUYEN | B1 | Q2 | 35 | 25 | - | 11 |
| INFO0201-1 | <i>Introduction to computer programming</i> - Peter SCHLAGHECK | B1 | Q2 | 20 | 40 | - | 6 |
| MATH1203-2 | <i>Geometry I, Elements of affine and Euclidian geometry</i> - Pierre MATHONET | B1 | Q2 | 25 | 15 | - | 4 |
| LANG2967-5 | <i>English: introduction</i> (english language) - Véronique DOPPAGNE | B1 | Q2 | 30 | - | - | 2 |
| STRA0004-2 | <i>Personal works</i> - Eric OPSOMER | B1 | Q2 | 20 | - | - | 2 |
| MATH0247-4 | <i>Analysis II</i> - Françoise BASTIN | B2 | Q1 | 30 | 30 | - | 6 |
| MECA0201-1 | <i>Analytical Mechanics I</i> - Pierre DAUBY | B2 | Q1 | 30 | 30 | - | 6 |
| PHYS3032-1 | <i>Optics</i> - Serge HABRAKEN | B2 | Q2 | 20 | 15 | - | 3 |
| PHYS2009-1 | <i>Modern physics</i> - Laurent DREESEN | B2 | Q1 | 30 | 25 | - | 5 |
| PHYS2010-1 | <i>Thermodynamics</i> - Nicolas VANDEWALLE | B2 | Q1 | 30 | 15 | - | 4 |
| PHYS0209-3 | <i>Numerical methods in physics</i> - Thierry BASTIN | B2 | Q1 | 25 | 35 | - | 6 |
| MATH0070-1 | <i>Linear algebra</i> - Michel RIGO | B2 | Q2 | 30 | 25 | - | 5 |
| BIOL0851-1 | <i>Biology</i> - Patrick MOTTE | B2 | Q2 | 30 | - | - | 3 |
| PHYS0060-1 | <i>Structures and Symmetries</i> - Matthieu VERSTRAETE | B2 | Q1 | 30 | 20 | - | 4 |
| PHYS3030-3 | <i>Electromagnetism, Partim A</i> - John MARTIN | B2 | Q2 | 30 | 15 | - | 4 |
| CHIM0274-2 | <i>General chemistry, including organic chemistry</i> - Bénédicte VERTRUYEN - [12h Labo., 16h QA Sess.] | B2 | Q2 | 40 | - | [+] | 7 |
| PHYS0957-1 | <i>Physics of Fluids</i> - Hervé CAPS | B2 | Q2 | 20 | 10 | - | 3 |
| LANG0076-5 | <i>English I</i> (english language) - Véronique DOPPAGNE, Caroline VAN LINTHOUT | B2 | TA | 45 | - | - | 4 |
| STAT0064-3 | <i>Statistics of experimental data in physics</i> - Céline ESSER, Gentiane HAESBROECK | B3 | Q1 | 30 | 15 | - | 4 |
| PHYS3033-1 | <i>Quantum physics I</i> - Thierry BASTIN | B3 | Q1 | 35 | 25 | - | 6 |
| PHYS0092-1 | <i>Experimental physics : Electronic and instrumentation</i> - Ngoc Duy NGUYEN | B3 | Q1 | 30 | 35 | - | 6 |
| MECA0523-1 | <i>Analytical mechanics II</i> - <i>Part A</i> - Pierre DAUBY - <i>Part B</i> - Pierre DAUBY | B3 | Q1 | 12 | 15 | - | 6 |
| ASTR0204-2 | <i>Astrophysics and geophysics</i> - MarcAntoine DUPRET, Valérie VAN GROOTEL | B3 | Q1 | 30 | 30 | - | 5 |
| PHYS0089-1 | <i>Mathematical tools of physics</i> - Peter SCHLAGHECK | B3 | Q2 | 30 | 30 | - | 6 |
| PHYS3034-1 | <i>Quantum physics II</i> - Thierry BASTIN | B3 | Q2 | 20 | 10 | - | 3 |

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| PHYS0093-1 | <i>Nuclear detection</i> - David STRIVAY | B3 | Q2 | 10 | 25 | - | 3 |
| PHYS0212-2 | <i>Statistical physics</i> - Nicolas VANDEWALLE | B3 | Q2 | 30 | 30 | - | 6 |
| PHYS0936-2 | <i>Introduction to materials physics</i> - Philippe GHOSEZ | B3 | Q2 | 30 | 20 | - | 5 |
| PHIL0201-1 | <i>Elements of sciences philosophy</i> - Julien PIERON | B3 | Q2 | 15 | - | - | 2 |
| STRA0005-3 | <i>Training sessions and personal work</i> - Geoffroy LUMAY, Christelle PROSPERI - [2d FW] | B3 | TA | 10 | 30 | [+] | 4 |
| LANG0077-7 | <i>English 2 (english language)</i> - Véronique DOPPAGNE, Ellen HARRY | B3 | TA | 45 | - | - | 4 |

Optional free courses (B2 : 4Cr)

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| OCEA0053-1 | <i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT, Anne GOFFART | B2 | Q2 | 15 | 25 | - | 4 |
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Learning support activities (B1 : 1Cr)

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| IREM0001-1 | <i>Adjusting working methods after the January session (reduced course loads)</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0002-1 | <i>Getting organised in the specific context of reduced course loads</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0003-1 | <i>Preparing for the Spring block and the May-June exams (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0005-1 | <i>Planning the second session (reduced course loads)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0006-1 | <i>#BloqueBooster: supervised exam revision in the Spring holidays</i> - Stéphanie GENDARME - [5d REM] | B1 | Q2 | - | - | [+] | - |
| IREM0007-1 | <i>Zen@études: How and why to manage stress? (reduced course loads)</i> - Sandrine WUIDART - [2h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0008-1 | <i>Keeping or increasing motivation in a context of a reduced course loads</i> - Céline MATHY, Sandrine WUIDART - [2h REM] | B1 | 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] | B1 | TA | - | - | [+] | - |
| IREM0010-1 | <i>Getting the year off to a good start</i> - Sylviane HUBERT, AnneFrance LANOTTE - [2h REM] | B1 | Q1 | - | - | [+] | - |
| IREM0011-1 | <i>Progressing effectively in the 1st term</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [2h REM] | B1 | 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] | B1 | Q1 | - | - | [+] | - |
| IREM0013-1 | <i>Planning your January session: establishing a work programme</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | B1 | Q1 | - | - | [+] | - |
| IREM0014-1 | <i>Working effectively in the second term</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [2h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0015-1 | <i>Adapting your organisation after the January session (fewer than 30 credits approved)</i> - Amélie BASTEYNS, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0016-1 | <i>Planning your May-June session (fewer than 30 credits approved)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0017-1 | <i>Planning your second session (fewer than 30 credits approved)</i> - Amélie AUQUIÈRE, AnneFrance LANOTTE - [3h REM] | B1 | Q2 | - | - | [+] | - |
| IREM0018-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year (Q1)</i> - Céline MATHY, Sandrine WUIDART - [2h REM] | B1 | Q1 | - | - | [+] | - |

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| IREM0019-1 | <i>Zen@etudes: The hows and whys of stress management (fewer than 30 credits approved - Q1) - Sandrine WUIDART - [2h REM]</i> | B1 | Q1 | - | - | [+] | - |
| IREM0020-1 | <i>Maintaining or rediscovering your motivation if you have to repeat a year (Q2) - Céline MATHY, Sandrine WUIDART - [2h REM]</i> | B1 | Q2 | - | - | [+] | - |
| IREM0021-1 | <i>Zen@etudes: How and why to manage stress? (fewer than 30 credits approved - Q2) - Sandrine WUIDART - [2h REM]</i> | B1 | Q2 | - | - | [+] | - |
| LREM0005-1 | <i>Taking stock of your French skills (Q2) - Marielle MARÉCHAL - [1,5h REM]</i> | B1 | Q2 | - | - | [+] | - |
| LREM0010-1 | <i>Taking stock of your skills in French (Q1) - Samia HAMMAMI, Frédéric SAENEN - [15h REM]</i> | B1 | Q1 | - | - | [+] | - |
| SREM0002-5 | <i>Learning support activities in Chemistry, for Physics - Rudi CLOOTS - [24h REM]</i> | B1 | TA | - | - | [+] | - |
| SREM0009-3 | <i>Learning support activities in Physics I, for Physics - John MARTIN, Nicolas VANDEWALLE - [20h REM]</i> | B1 | TA | - | - | [+] | - |
| SREM0019-1 | <i>Learning support activities in Mathematics II, for Physics - Céline ESSER - [26h REM]</i> | B1 | Q2 | - | - | [+] | - |
| SREM0021-3 | <i>Learning support activities in Physics II, for Physics - Ngoc Duy NGUYEN - [20h REM]</i> | B1 | Q2 | - | - | [+] | - |
| SREM0022-1 | <i>Learning support activities in Mathematics for Physics - Céline ESSER, Michel RIGO - [18h REM]</i> | B1 | Q1 | - | - | [+] | - |