

Block view of the study programme

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Block 1

Compulsory courses

MATH0073-1	<i>Elementary mathematics</i> - Julien LEROY - [15h Mon. WS]	Q1	30	30	[+]	7	
MATH0069-1	<i>Matrix calculation</i> - Michel RIGO	Q1	30	25	-	7	
MATH0071-1	<i>Fundamental analysis, part 1</i> - Samuel NICOLAY	Q1	45	30	-	8	
PHYS1985-1	<i>General physics I</i> - John MARTIN, Nicolas VANDEWALLE - Suppl : Maxime HUBERT	Q1	40	40	-	7	
LANG2967-2	<i>English: introduction (english language)</i> - Clara BRERETON, Véronique DOPPAGNE, Caroline VAN LINTHOUT	Q1	30	-	-	2	
MATH0070-1	<i>Linear algebra</i> - Michel RIGO	Q2	30	25	-	6	
MATH0072-1	<i>Fundamental analysis, part 2</i> - Samuel NICOLAY	Q2	45	30	-	7	
MATH1203-1	<i>Geometry I</i> - <i>Elements of affine and Euclidian geometry</i> - Pierre MATHONET - <i>Additional affine and Euclidian geometry</i> - Pierre MATHONET	Q2		25 15	15 15	- -	7
MATH1472-1	<i>Descriptive statistics and data analysis</i> - Arnout VAN MESSEM - [10h Mon. WS]	Q2	25	15	[+]	5	
MATH2010-1	<i>Mathematical software</i> - Emilie CHARLIER	Q2	15	30	-	4	

Learning support activities

Aimed at students who have acquired less than 30 credits.

Cross-disciplinary activities

AREM0007-1	<i>Remedial "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	Q2	-	-	[+]	-
AREM0008-1	<i>Help to succeed in "Computer Science"</i> - Bernard BOIGELOT - [10h REM]	Q1	-	-	[+]	-
IREM0010-1	<i>Bien recommencer son année</i> - AnneFrance LANOTTE, Serena LEINER - [2h REM]	Q1	-	-	[+]	-
IREM0018-1	<i>Maintaining or rediscovering your motivation if you have to repeat a year (Q1)</i> - Céline MATHY, Sandrine WUIDART - [2h REM]	Q1	-	-	[+]	-
LREM0010-1	<i>Taking stock of your skills in French (Q1)</i> - Samia HAMMAMI, Frédéric SAENEN - [15h REM]	Q1	-	-	[+]	-

Aimed at students with reduced hours (art. 150)

- To consult the list of courses, click on this link: <https://www.student.uliege.be/student/remediations-allegement150>
- To add these courses to your SAP, please contact the student affairs office

Aimed at all students in block 1.

- To consult the list of courses, click on this link: <https://www.student.uliege.be/student/remediations-toutpublic>
- To add these courses to your SAP, please contact the student affairs office

Block 2

Compulsory courses

MATH0080-1	<i>Differential calculus</i> - N... Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 Corequisite : MATH2011-1 - Compléments d'algèbre linéaire	Q1	30	30	-	7
MATH2011-1	<i>Linear algebra supplements</i> - Laurent LOOSVELDT Prerequisite :	Q1	30	20	-	5

	MATH0069-1 - Calcul matriciel MATH0070-1 - Algèbre linéaire					
MATH0503-1	<i>Logic and mathematical approach of programming</i> - Michel RIGO - [30h Mon. WS] Prerequisite : MATH2010-1 - Logiciels mathématiques	Q1	20	-	[+]	4
MATH0499-1	<i>Graph theory</i> - Michel RIGO Prerequisite : MATH0070-1 - Algèbre linéaire	Q1	25	20	-	4
MATH0246-2	<i>Algebraic structures</i> - Julien LEROY	Q1	30	30	-	7
MATH0248-1	<i>Geometry II</i> - Pierre MATHONET Prerequisite : MATH0070-1 - Algèbre linéaire MATH1203-1 - Géométrie I Corequisite : MATH0080-1 - Calcul différentiel	Q2	30	30	-	7
MATH2006-2	<i>Introduction to numerical analysis</i> - Laurent LOOSVELDT Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 MATH0072-1 - Analyse fondamentale, partie 2 Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation	Q2	30	30	-	7
MATH0081-1	<i>Integral calculation</i> - Samuel NICOLAY Prerequisite : MATH0071-1 - Analyse fondamentale, partie 1 MATH0072-1 - Analyse fondamentale, partie 2 Corequisite : MATH0080-1 - Calcul différentiel	Q2	30	30	-	7

Optional courses

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below:

Mathematics applied to economics and management

ECON0323-1	<i>First principles of economics</i> - HenryJean GATHON	Q1	26	-	-	3
GEST0832-4	<i>Financial Markets</i> - Georges HÜBNER	Q2	40	15	-	5
GEST0029-1	<i>General Corporate Accounting (Night classes)</i> - Anne BILS	Q2	30	15	-	4

Physics

MECA0201-1	<i>Analytical Mechanics I</i> - Pierre DAUBY	Q1	30	30	-	6
PHYS1986-1	<i>General physics II, Part A</i> - Ngoc Duy NGUYEN	Q2	35	25	-	6

Computer science

INFO2009-2	<i>Introduction to computer science</i> - Bernard BOIGELOT Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation	Q1	24	14	-	4
INFO0061-4	<i>Computers organization</i> - Bernard BOIGELOT Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation	Q2	15	15	-	3
INFO0062-1	<i>Object-oriented programming</i> (english language) - Bernard BOIGELOT - [20h Proj.] Corequisite : MATH0503-1 - Logique et approche mathématique de la programmation	Q2	25	20	[+]	5

Optional free course

OCEA0053-1	<i>Study of Oceans and Coastal Management</i> - Sylvie GOBERT	Q2	-	40	-	4
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Block 3

Compulsory courses

MATH0510-1	<i>Additional analysis</i> - N...	Q1	30	30	-	6
	Prerequisite : MATH2006-2 - Introduction à l'analyse numérique MATH0080-1 - Calcul différentiel					
MATH0256-2	<i>Differential Geometry I</i> - Pierre MATHONET	Q1	30	20	-	5
	Prerequisite : MATH0248-1 - Géométrie II					
MATH7372-1	<i>Probabilities</i> - Céline ESSER, Laurent LOOSVELDT	Q1	30	30	-	6
	Prerequisite : MATH0081-1 - Calcul intégral					
MATH2023-1	<i>Theory of formal languages</i> - Julien LEROY	Q2	30	20	-	5
MATH2250-1	<i>Galois theory</i> - Emilie CHARLIER	Q2	30	20	-	5
	Prerequisite : MATH0246-2 - Structures algébriques					
MATH0474-1	<i>Statistics</i> - Gentiane HAESBROECK - [10h Mon. WS]	Q2	25	15	[+]	5
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel Corequisite : MATH7372-1 - Probabilités					
MATH0511-1	<i>Introduction to harmonic analysis</i> - Françoise BASTIN	Q2	30	30	-	6
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel					
DURA0005-2	<i>Durabilité et transition</i> - Sylvie GOBERT, Catherine HENRIST - [16h Mon. WS]	Q2	12	-	[+]	2
DOCU0044-1	<i>Techniques of documentation and communication, integrated project</i> - Part 1: <i>Techniques of documentation and communication</i> - Fabienne PROSMANS - Part 2: <i>Integrated project</i> - Laurent LOOSVELDT	TA	30	-	-	8
	Prerequisite : MATH0081-1 - Calcul intégral MATH0248-1 - Géométrie II MATH0499-1 - Théorie des graphes MATH0246-2 - Structures algébriques Corequisite : MATH7372-1 - Probabilités					

Optional courses

In agreement with the Jury, choose courses for a total of 12 credits from the courses offered below or from the elective courses not already chosen in block 2:

Mathematics applied to economics and management

MQGE0001-6	<i>Operations Research</i> (english language) - Jérôme DE BOECK	Q1	45	-	-	6
FINA0053-1	<i>Investments and Portfolio Management</i> (english language) - Georges HÜBNER, Patrick SCHWARZ	Q2	30	-	-	6
	Prerequisite : GEST0832-4 - Marchés financiers					

Physics

MECA0523-1	<i>Analytical mechanics II</i> - Part A - Pierre DAUBY	Q1	12	15	-	6
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	- Part B - Pierre DAUBY		18	15	-	
MECA0523-2	<i>Analytical mechanics II, Part A</i> - Pierre DAUBY	Q1	12	15	-	3
SPAT0065-1	<i>Introduction to Astronomy</i> - Grégor RAUW	Q1	20	10	-	3
PHYS3030-2	<i>Electromagnetism</i>	Q2				6
	- Partim A - John MARTIN		30	15	-	
	- Partim B - John MARTIN		-	5	-	
Computer science						
MATH0461-2	<i>Introduction to numerical optimization</i> (english language) - Quentin LOUVEAUX - [25h Proj.]	Q1	30	20	[+]	6
INFO0054-1	<i>Functional programming</i> - Christophe DEBRUYNE - [20h Proj.]	Q1	24	24	[+]	6
MATH1222-3	<i>Introduction to stochastic processes</i> - Céline ESSER, Pierre GEURTS - [10h Mon. WS]	Q2	20	10	[+]	4
	Prerequisite : INFO0062-1 - Object-oriented programming INFO2009-2 - Introduction à l'informatique					
	Corequisite : MATH0474-1 - Statistique MATH7372-1 - Probabilités					
Mathematics						
MATH0257-2	<i>Complex analysis</i> - N...	Q1	30	30	-	6
	Prerequisite : MATH0081-1 - Calcul intégral MATH0080-1 - Calcul différentiel					
MATH0212-2	<i>General topology</i> - Céline ESSER - [10h Mon. WS]	Q2	30	20	[+]	6
[...]	elective courses not already chosen in block 2					