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First Year

Compulsory course

MATH0483-2 *History of mathematics* - Georges HANSOUL - [20h Mon. WS] 20 - [+] 4

Optional courses

With the approval of the Board of Studies in mathematics, choose courses totaling 56 credits from the two lists below, and possibly in the courses programme of other masters :

First list

[...] At least 32 credits from from "Première liste"

MATH0463-1	<i>Functional Analysis I</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8
MATH0209-3	<i>Measure Theory</i> - Samuel NICOLAY - [20h Mon. WS]	30	10	[+]	8
INFO0213-2	<i>Automata and formal languages theory</i> - Michel RIGO - [20h Mon. WS]	30	10	[+]	8
MATH0220-2	<i>Functions of complex variables</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8
MATH0464-1	<i>Differential geometry II</i> - Pierre LECOMTE - [20h Mon. WS]	30	10	[+]	8
MATH0017-3	<i>Mathematical Logic and Set Theory</i> - Georges HANSOUL - [20h Mon. WS]	30	10	[+]	8
MATH0465-1	<i>Algebraic Topology</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8
MATH0489-1	<i>Lie algebra</i> - Pierre MATHONET - [20h Mon. WS]	30	10	[+]	8

The second list

[...] At most 24 credits of courses from "Deuxième liste"

STAT0723-2	<i>Linear models</i> - N... - [20h Mon. WS]	30	10	[+]	8
STAT0201-3	<i>Multivariate statistics</i> - Gentiane HAEBROECK - [20h Mon. WS]	30	10	[+]	8
STAT0725-2	<i>Bayesian statistics</i> - Philippe LAMBERT - [20h Mon. WS]	30	10	[+]	8
INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS	30	30	-	8
INFO0054-1	<i>Functional programming</i> - Pascal GRIBOMONT	30	30	-	8
ASTR0201-3	<i>Astronomy</i> - MarcAntoine DUPRET - [20h Mon. WS]	30	10	[+]	8
PHYS0243-2	<i>Quantum Physics I</i> - Thierry BASTIN - [20h Mon. WS]	30	10	[+]	8
PHYS0203-2	<i>Statistical physics</i> - Nicolas VANDEWALLE - [20h Mon. WS]	30	10	[+]	8
SPAT0012-1	<i>General relativity</i> - Yves DE ROP	60	-	-	8
SPAT0044-1	<i>Stellar Structure and evolution I</i> - MarcAntoine DUPRET	20	20	-	4
SPAT0045-1	<i>Stellar structure and evolution II</i> - MarcAntoine DUPRET	20	20	-	4
MECA0203-3	<i>Continuum Mechanics</i> - Pierre DAUBY - [20h Mon. WS]	30	10	[+]	8
PHYS0204-3	<i>Complement of quantum Physics 2</i> - Thierry BASTIN - [20h Mon. WS]	30	10	[+]	8
PHYS0205-2	<i>Complement of physical statistics</i> - Nicolas VANDEWALLE - [20h Mon. WS]	30	10	[+]	8

Programme of courses for other masters degrees

[...] At the most 8 credits of courses of the University of Liege

Optional free course

AESS0252-1 *Introduction to mathematics didactics* - Marguerite GILOT 10 10 - 2

Second Year

Compulsory course

SMEM0012-1 *Final thesis* - COLLÉGIALITÉ - - - 22

Optional courses

With the approval of the Board of Studies in mathematics, choose course(s) totaling 8 credits from :

[...] the remaining courses not selected in the first list

MATH0463-1	<i>Functional Analysis I</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8
MATH0209-3	<i>Measure Theory</i> - Samuel NICOLAY - [20h Mon. WS]	30	10	[+]	8
INFO0213-2	<i>Automata and formal languages theory</i> - Michel RIGO - [20h Mon. WS]	30	10	[+]	8
MATH0220-2	<i>Functions of complex variables</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8
MATH0464-1	<i>Differential geometry II</i> - Pierre LECOMTE - [20h Mon. WS]	30	10	[+]	8
MATH0017-3	<i>Mathematical Logic and Set Theory</i> - Georges HANSOUL - [20h Mon. WS]	30	10	[+]	8
MATH0465-1	<i>Algebraic Topology</i> - JeanPierre SCHNEIDERS - [20h Mon. WS]	30	10	[+]	8

MATH0489-1	<i>Lie algebra</i> - Pierre MATHONET - [20h Mon. WS]	30	10	[+]	8
[...]	the remaining courses not taken on the second list				
STAT0723-2	<i>Linear models</i> - N... - [20h Mon. WS]	30	10	[+]	8
STAT0201-3	<i>Multivariate statistics</i> - Gentiane HAESBROECK - [20h Mon. WS]	30	10	[+]	8
STAT0725-2	<i>Bayesian statistics</i> - Philippe LAMBERT - [20h Mon. WS]	30	10	[+]	8
INFO0902-1	<i>Data structures and algorithms</i> - Pierre GEURTS	30	30	-	8
INFO0054-1	<i>Functional programming</i> - Pascal GRIBOMONT	30	30	-	8
ASTR0201-3	<i>Astronomy</i> - MarcAntoine DUPRET - [20h Mon. WS]	30	10	[+]	8
PHYS0243-2	<i>Quantum Physics I</i> - Thierry BASTIN - [20h Mon. WS]	30	10	[+]	8
PHYS0203-2	<i>Statistical physics</i> - Nicolas VANDEWALLE - [20h Mon. WS]	30	10	[+]	8
SPAT0012-1	<i>General relativity</i> - Yves DE ROP	60	-	-	8
SPAT0044-1	<i>Stellar Structure and evolution I</i> - MarcAntoine DUPRET	20	20	-	4
SPAT0045-1	<i>Stellar structure and evolution II</i> - MarcAntoine DUPRET	20	20	-	4
MECA0203-3	<i>Continuum Mechanics</i> - Pierre DAUBY - [20h Mon. WS]	30	10	[+]	8
PHYS0204-3	<i>Complement of quantum Physics 2</i> - Thierry BASTIN - [20h Mon. WS]	30	10	[+]	8
PHYS0205-2	<i>Complement of physical statistics</i> - Nicolas VANDEWALLE - [20h Mon. WS]	30	10	[+]	8
[...]	The programme of courses for other Masters.				

Compulsory course

STAT0727-2	<i>Non-parametric statistics</i> - Cédric HEUCHENNE - [20h Mon. WS]	30	10	[+]	6
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Optional courses

With the agreement of the Board of Studies, choose 3 courses from the following :

Courses STAT0723-2, STAT0201-3 and STAT0725-2 must be taken in priority.

STAT0723-2	<i>Linear models</i> - N... - [20h Mon. WS]	30	10	[+]	8
STAT0201-3	<i>Multivariate statistics</i> - Gentiane HAESBROECK - [20h Mon. WS]	30	10	[+]	8
STAT0725-2	<i>Bayesian statistics</i> - Philippe LAMBERT - [20h Mon. WS]	30	10	[+]	8

If the STAT0723-2 and/or STAT0201-3 courses have already been attended, choose, with the approval of the Board of Studies, 1, 2 or 3 courses from the following :

MATH0065-1	<i>Probability and statistics IV</i> - Christophe CROUX - [20h Mon. WS]	30	10	[+]	8
MATH0222-3	<i>Introduction to stochastic processes</i> - Gentiane HAESBROECK - [20h Mon. WS]	30	10	[+]	8
ELEN0062-1	<i>Applied Inductive Learning</i> - Pierre GEURTS, Louis WEHENKEL	30	30	-	8