

APPMATH - Introduction

Introduction

Introduction

The aim of the in-depth minor in mathematics is to offer learning that is supplementary to the discipline of the Bachelor's major. The very wide range of courses has been devised for students of the Bachelor in Mathematics

- who wish to supplement their Bachelor course with courses that remain within the field of mathematics, and/or
- who wish to supplement their Bachelor course with courses close to mathematics but who do not wish to undertake a single-topic minor (minor in computer science, in physics, in engineering science, applied mathematics, etc.).

APPMATH - Teaching profile

Learning outcomes

The in-depth minor in mathematics contributes to the acquisition of the knowledge and skills appropriate to the Bachelor of Mathematics:

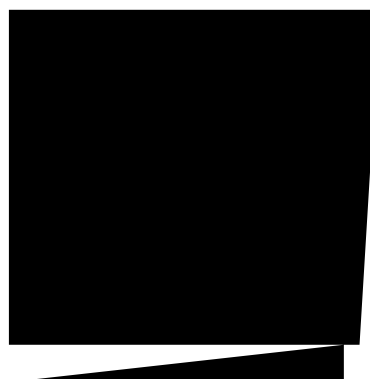
- disciplinary basics needed to pursue studies in mathematics or in closely related fields.
- capacity for abstract thought and critical spirit

Optimization models and methods I

⌘ LMAT2440	Number theory	Pierre-Emmanuel Caprace Olivier Pereira	EB [q2] [30h+15h] [5 Credits] > English-friendly
⌘ LMAT2170	History and epistemology of mathematics	Pierre Bieliavsky Pierre-Emmanuel Caprace Marino Gran Jean Van Schaftingen	EB [q2] [30h+15h] [5 Credits]

⌘ Mathématiques appliquées et informatique

⌘ LMAT2450	Cryptography	Olivier Pereira	EB [q1] [30h+15h] [5 Credits] > French-friendly
⌘ LMAT2460	Finite mathematics and combinatorial structures	Jean-Charles Delvenne Raphaël Jungers	EB [q1] [30h] [5 Credits]
⌘ LEPL1110	Finished elements	Vincent Legat Jean-François Remacle	EB [q2] [30h+30h] [5 Credits]
⌘ LINMA1170	Numerical analysis	Jean-François Remacle	EB [q2] [30h+22.5h] [5 Credits]
⌘ LINMA1691	Discrete mathematics - Graph theory and algorithms	Jean-Charles Delvenne Jean-Charles Delvenne (compensates Vincent Blondel)	EB [q1] [30h+22.5h] [5 Credits]
⌘ LINMA1702	Optimization models and methods I	François Glineur	EB [q2] [30h+22.5h] [5 Credits]



			Year	
			2	3
	<p>Sustainable development and transition Les unités d'enseignement LEPL1804 et LBIR2050 ne sont pas cumulables: si l'étudiant a déjà suivi ou suit l'une de ces 2 UEs, il ne peut pas s'inscrire à l'autre.</p>	<p>David Bol David Bol (compensates) Hervé Jeanmart Patricia Luis Alconero Patricia Luis Alconero (compensates) Hervé Jeanmart Xavier Marichal Xavier Marichal (compensates) Hervé Jeanmart Jean-Pierre Raskin Jean-Pierre Raskin (compensates) Hervé Jeanmart</p>	<p>PK [q1] [22.5h+15h] [3 Credits]</p>	<p>x</p> <p>x</p>
⌘ LBIR2050	<p>Challenges of sustainable development and transition Les unités d'enseignement LEPL1804 et LBIR2050 ne sont pas cumulables: si l'étudiant a déjà suivi ou suit l'une de ces 2 UEs, il ne peut pas s'inscrire à l'autre.</p>			

