

Erasmus+ - Undergraduate Studies

- [Fall Semester](#)
- [Spring Semester](#)

Fall Semester - Undergraduate Studies

			1st
			ECTS
			PM101 Analytic Geometry
	7		PM102 Introduction to Algebra and Set Theory
		8	PC103 Calculus I
		8	IC102 Basic Principles of Programming - Fortran 90
			7
			2nd
			ECTS
			PM106 Calculus III
	8		AM201 Introduction to Ordinary Differential Equations
		7	IC204 Introduction to Numerical Analysis
			7
			ST201 Probability I
	8		
			3rd
			ECTS

	6		
	6		AM437 Operator Theory
	6		AM438 Fourier Transform, Distributions and Applications
	6		DI434 Problem Solving and the forming of Definitions
	6		PM464 Elements of Commutative Algebra
	6		AM469 Dynamical Astronomy
	6		AM468 Introduction to Modern Physics
	6		AM467 Chaos and Fractals
	6		DI465 Natural Language and the Language of Mathematics
	6		IC464 Introduction to Interval Analysis
	6		ST464 Actuarial Mathematics
	6		ST437 Introduction to Data Analysis
	6		ST438 Theory of Sampling
	6		IC438 Algorithms and Complexity
	6		ST465 Queuing Theory

```
var msc1tab=new ddtabcontent("msc1tab") msc1tab.setpersist(true)
msc1tab.setselectedClassTarget("link") //"link" or "linkparent" msc1tab.init()
```

- [Fall Semester](#)
- [Spring Semester](#)

Fall Semester - Postgraduate Studies

		1 st	
		ECTS	
			MMA_A_101 Algebra
	10		MMA_A_102 Analysis and Applications
			MMA_A_103 Differential Manifolds and Applications
	10		MMA_B_101 Analysis and Applications
			MMA_B_102 Ordinary Differential Equations
	10		MMA_B_103 Computational Mathematics
			MMA_C_101 Numerical Analysis
	10		MMA_C_102 Discrete Mathematics
			MMA_C_103 Theory of Algorithms
	10		
	10		MMA_A_301 Number Theory
			MMA_A_302 Homological Algebra and Theory of
	10		

□	□	□	10	□	MMA_A_303 Topological Groups	□
□	□	□	□	□	10	MMA_B_301 Mathematical Modeling
□	□	□	□	□	10	MMA_B_302 Dynamical Systems and Chaos
□	□	□	□	□	10	MMA_B_303 Special Functions
□	□	□	□	□	10	MMA_B_304 Quantum Field Theory
□	□	□	□	□	10	MMA_B_305 Integrability of Classical and Quant
□	□	□	10	□	MMA_C_301 Logic and Logic Programming	□
□	□	□	□	□	10	MMA_C_302 Numerical Optimization Methods
□	□	□	10	□	MMA_C_309 Computational Complexity	□
□	□	□	□	□	□	□

Spring Semester - Postgraduate Studies

□	□	□	1	□	st
□	□	□	ECTS	□	□
□	□	□	10	□	MMA_A_202 Algebraic Geometry
□	□	□	10	□	MMA_A_203 Riemannian Geometry and Applica
□	□	□	10	□	MMA_A_205 Dimension Theory
□	□	□	10	□	MMA_A_301 Number Theory
□	□	□	□	□	MMA_B_201 Mathematical Physics

□	□	10	□
□	□		
□	□	10	MMA_B_202 Partial Differential Equations
□	□		
□	□	10	MMA_B_204 General Relativity and Gravitation
□	□		
□	□	10	MMA_B_205 Riemannian Geometry and Applications
□	□		
□	□	10	MMA_B_206 Non Linear Wave Equations
□	□		
□	□	10	MMA_B_207 Functional and Spectral Analysis
□	□		
□	□	10	MMA_C_201 Computational Intelligence
□	□		
□	□	10	MMA_C_202 Interval Analysis
□	□		
□	□	10	MMA_C_203 Knowledge Discovery in Data Base
□	□		
□	□	10	MMA_C_204 Numerical Solution of Ordinary Differential Equations
□	□		
□	□	10	MMA_C_205 Intelligent Decision Systems
□	□		
□	□	10	MMA_C_207 Neural Networks and Evolutionary Algorithms
□	□		
□	□	□	□
□	□		
□	□	2	nd
□	□	ECTS	□
□	□		
□	□		Master Thesis (two semesters)
□	□	40	
□	□		

var msc2tab=new ddtabcontent("msc2tab") msc2tab.setpersist(true)
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