

**MSc Program: Logic and Algorithms**

**CURRICULUM 2024/2025**

<i>Courses</i>	<i>ECTS-credits</i>	<i>Number of classes</i>	
		<i>total</i>	<i>per week</i>
<b><i>I semester</i></b>			
Mathematical Logic (C)	8	75	3+2+0
Set Theory (C)	8	75	3+2+0
Modal Logic (C)	8	60	4+0+0
Computability and Complexity	7	75	3+2+0
Non-Classical Logics Seminar 1	4	30	0+2+0
<b><i>II semester</i></b>			
Computability Theory (C)	8	75	3+2+0
Model Theory	8	75	3+2+0
Applications of Finite Automata	8	75	3+2+0
Lambda Calculus and Proof Theory	7	60	3+1+0
Logics for Space and Time:			
Region-based Approach	7,5	75	4+1+0
Applied Modal Logics	7	60	4+0+0
Non-Classical Logics Seminar 2	4	30	0+2+0
Topics in Computability	7	60	4+0+0
Finite Model Theory	8	75	3+2+0
Consistency and Independence in Set Theory	7	60	2+2+0
Computability in Analysis	6	45	3+0+0
<b><i>III semester</i></b>			
Descriptive Set Theory	6	45	3+0+0
Games, Logics and Models	6	60	3+1+0
Computability Theory Seminar	4	30	0+2+0
Thesis project (C)	15		
Master Thesis	15		