

MSc Program: Logic and Algorithms

CURRICULUM 2019/2020

<i>Courses</i>	<i>ECTS-credits</i>	<i>Number of classes total</i>	<i>per week</i>
<i>I semester</i>			
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
<i>II semester</i>			
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
<i>III semester</i>			
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	150	10
Master Thesis	15	150	10