

In the following table an overview of the courses is presented:

- Mandatory courses for all students in red.
- Mandatory courses for SACS students in blue.
- Mandatory courses for OR students in green.
- Elective courses in light blue (SACS) and light green (OR).

Master Courses Applied Mathematics			
Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
<a href="#">Continuous Optimization</a> (6)		<a href="#">Scientific Computing</a> (6)	
			<a href="#">Pioneers of Applied Mathematics</a> (5 EC)
<a href="#">Discrete Optimization</a> (6)		<a href="#">Queueing Theory</a> (6)	
<a href="#">Game Theory</a> (5)	<a href="#">Markov Decision Theory</a> (5)		<a href="#">Networks Of Queues</a> (5)
<a href="#">Stochastic Processes</a> (6)			
<a href="#">Measure &amp; Probability</a> (6)		Scheduling (6)	
		<a href="#">Optimization Modeling</a> (5)	
		<a href="#">Applied Statistics</a> (2017)	
<a href="#">Applied Functional Analysis</a> (6)		<a href="#">Optimal Control</a> (5)	
		<a href="#">Applied Finite Elements</a> (6)	
<a href="#">Time Series Analysis</a> (5)	<a href="#">Nonlinear Dynamics</a> (5)	<a href="#">Theory of Partial Differential Equations</a> (5)	<a href="#">PDE II: Variational Methods for Inverse Problems in Biomedical Imaging</a> (5)
<a href="#">Systems &amp; Control</a> (6)		<a href="#">Robust Control</a> (5)	<a href="#">Hybrid Dynamical Systems</a> (5)
	<a href="#">Numerical Techniques for PDE</a> (5)	<a href="#">Partial Differential Equations I</a> (6)	
		<a href="#">Random Signals and Filtering</a> (5)	
		<a href="#">Stochastic Differential Equations</a> (6)	

Note that the course load for semester courses might not be split 50/50 over both quartiles. Check the timetable or mastermath site for more specific scheduling information.

OR Courses	<b>Obligatory for all AM students</b>	SACS Courses
<b>OR Three out of Six</b>		<b>Obligatory for SACS students</b>

Other possible elective courses (only after permission from chair):

201400174 Data Science

201600070/1 Machine learning

201300042 Limits to computing