Curriculum B-AM&AP for cohort 2022

First year

Quartile	Applied Mathematics components		Applied Physics components	
Q1 *(21 EC)*	Linear Structures 1	5 EC	Dynamics & Relativity	4.5 EC
	Analysis 1	5 EC	Laboratory 1	2 EC
	Workshop Intercultural Awareness		Error 1	2 EC
			Project Dynamics & Relativity	2.5 EC
Q2 *(21 EC)*	Linear Structures 2	4 EC	Thermodynamics	4 EC
	Analysis 2	6 EC	Project thermodynamics	4 EC
			Laboratory 2	2 EC
			Error 2	1 EC
Q3 *(19 EC)*	Probability Theory	5 EC	Instrumentation	4 EC
	Signals and Transforms	5 EC		
	Modelling 2 +Project AP	5 EC		
Q4 *(19 EC)*	Numerical Mathematics	5 EC	Quantum Matter	5 EC
	Differential Equations	5 EC	Geometric optics	2.5 EC
			Project ES	1.5 EC
Entire academic year:		**80 EC**		

Second year

Quartile	Applied Mathematics components		Applied Physics components	
Q5 *(20 EC)*	Mathematical Statistics 1	7 EC	Models	4 EC
	Analysis 3	5 EC	Classical Mechanics	4 EC
Q6 *(20 EC)*	Linear Optimization	5 EC	Optics	7 EC
			Quantum Mechanics	5 EC
			Hilbert space	3 EC
Q7 *(19.5 EC)*	Algebra	3.5 EC	Solid State Physics	7 EC
			Statistical Physics	6 EC
			Intro Electrodynamics	3 EC
Q8 *(21 EC)*	Markov Chains	4 EC	Physics of Fluids Theory	4.5 EC
	Stochastic Models	4 EC	Physics of Fluids Practicals	2.5 EC
			Electrodynamics	6 EC
Entire academic year:		**80.5 EC**		

Third year

Quartile	Applied Mathematics components		Applied Physics components	
Q9 *(20 EC)*	**Minor + 5 EC Elective**			
Q10 *(20 EC)*	**Minor + 5 EC Elective**			
Q11 *(18 EC)*	Introduction to PDE	4 EC	Prepartion BO	5 EC
	Master orientation elective	4 EC	Master orientation elective	5 EC
Q12 *(20 EC)*	Complex Function Theory	3 EC		
	Reflection 3	2 EC		
	Bachelor's Assignment			15 EC
Entire academic year:		**78 EC**		