

# Curriculum B-AM&AP for cohort 2023

## First year

Course code	Name	EC	Coord.
	<i>Q1.sem 1</i>		
202300095	Lab Course	4	AP
202300096	Programming and Dataprocessing	3	AP
	<i>Q1.1A</i>		
202200141	Linear Structures 1	5	AM
202200143	Analysis 1	5	AM
	Workshop Intercultural Awareness	-	AM
202100094	Dynamics and Relativity	4.5	AP
202000675	Project Dynamics and Relativity	2.5	AP
	<i>Q1.1B</i>		
202200236	Linear Structures 2	4	AM
202200237	Analysis 2	6	AM
202000677	Thermodynamics	4	AP
202000680	Project Thermodynamics	4	AP
	<i>Q1.2A</i>		
202001343	Signals and Transforms	5	AM
202001344	Probability Theory for AM	5	AM
202300196	Modelling 2 & Project AP	5	AM
202000683	Instrumentation	4	AP
	<i>Q1.2B</i>		
202200241	Numerical Mathematics	5	AM
202200242	Differential Equations	5	AM
202000687	Quantum Matter	5	AP
202000688	Geometrical Optics	2.5	AP
202000097	Project Engineering Systems 2	1.5	AP

## Second year

Course code	Name	EC	Division
	<i>Q2.1A</i>		
202300016	Mathematical Statistics 1	7	AM
202300017	Analysis 3	5	AM
202001435	Models for DB and PM	4.5	AP
202000694	Classical Mechanics	4	AP
	<i>Q2.1B</i>		
202300027	Linear Optimisation	5	AM
202200094	Quantum Mechanics 1	5	AP
202001485	Optics Theory	4.5	AP
202300063	Optics Practical	2.5	AP
202200095	Hilbert space	3	AP
	<i>Q2.2A</i>		
202001361	Algebra	3.5	AM
202000701	Introduction Solid State Physics	7	AP
202000702	Statistical Physics	6	AP
202300116	Introduction to Electrodynamics	3	AP
	<i>Q2.2B</i>		
202200336	Markov Chains	4	AM
202200337	Stochastic Models	4	AM
202300023	Fluid Physics Theory	4.5	AP
202300024	Fluid Physics Practical	2.5	AP
202000706	Electrodynamics	6	AP

## Third year

Course code	Name	EC	Division
	<i>Q3.1A</i>		
	Minor	15	
	Elective	5	
	<i>Q3.1B</i>		
	Minor	15	
	Elective	5	
	<i>Q3.2A</i>		
	Introduction to PDE	4	AM
	Master orientation elective	4	AM
	Preparation BO	5	AP
	Master orientation elective	5	AP
	<i>Q3.2B</i>		
	Complex Function Theory	3	AM
	Reflection 3	2	AM
	Bachelor's assignment	15	AM/AP