Programme Options – Data Science

Geomatics

Year 2	Spring	Master thesis		
	Autumn	TP300 – Term paper	DAT300 – Data mining	GMGI300 – Geographical Database Systems
Year 1	Spring	GMGI210 – Geographical Analysis and Modelling	MATH280 – Applied Linear Algebra	INF230 – Data Processing and Analysis
	Autumn	INF200 – Advanced Programming	INF221 – Computer Science for Data Scientists	GMGI102 – Geographical Information Systems, Basics
	August	INF121		
		10 ECTS	10 ECTS	10ECTS

Environmental Physics

Year 2	Spring	Master thesis		
	Autumn	TP300 – Term paper	DAT300 – Data mining	FYS301 – Light and Biological Material
Year 1	Spring	FYS388 – Computational Neuroscience	MATH280 – Applied Linear Algebra	INF230 – Data Processing and Analysis
	Autumn	INF200 – Advanced Programming	INF221 – Computer Science for Data Scientists	INF250 – Image Analysis
	August	INF121		
		10 ECTS	10 ECTS	10ECTS

Energy Physics

Year 2	Spring	Master thesis		
	Autumn	TP300 – Term paper	DAT300 – Data mining	FYS377 – Digital Electrical Power Systems
Year 1	Spring	TEL240 – Control Engineering and Automation	MATH280 – Applied Linear Algebra	INF230 – Data Processing and Analysis
	Autumn	INF200 – Advanced Programming	INF221 – Computer Science for Data Scientists	FYS230 – Electrical Engineering
	August	INF121		
		10 ECTS	10 ECTS	10ECTS

Machine Learning/Robotics

Year 2	Spring	Master thesis		
	Autumn	TP300 – Term paper	DAT300 – Data mining	DAT302 – Deep Learning/Machine Learning
Year 1	Spring	TEL240 – Control Engineering and Automation	MATH280 – Applied Linear Algebra	INF230 – Data Processing and Analysis
	Autumn	INF200 – Advanced Programming	INF221 – Computer Science for Data Scientists	INF250 – Image Analysis
	August	INF121		
		10 ECTS	10 ECTS	10ECTS