

# Sciences 2019-2020

Themes: Life, Evolution, Universe (LEU) Information, Communication, Cognition (ICC) Energy, Climate, Sustainability (ECS) Health & Well-being (HW)

	Information	Maths	Physics	Earth & Environment	Chemistry	Biology	Biomedical	Health	
300	Theme Course: Quantum Information and Quantum Communication **			Theme Course: Human Evolution **			Theme Health and Well-being: Lifestyle and Disease **		
	Mathematical Logic **		Theme Energy, Climate and Sustainability: Case Study **				Theme Course LEU/HW: Wicked Challenges of Health		
	Discrete Mathematics and Algebra *		Astroparticle Physics **		<i>Urban Environment Lab **</i>		Clinical Neurosciences **	Addiction **	
		Introduction to Financial Mathematics **	Nanoscience **	Advanced Geosciences **		Epigenetic Regulations **	Cancer Biology and Treatment *	Medical Anthropology **	
	Modelling Real World Problems **	Partial Differential Equations *	Condensed Matter Physics *	Atmospheric Sciences **		Infectious Diseases **	Cardiovascular Diseases *	Moral Dilemmas in Medical Practice *	
	Text-Mining and Collective Intelligence *	Advanced Research Methods and Statistics **	Mathematics of Physics *	Climate Sciences: Past and Present *		Conservation and Restoration Biology *	Neuroscience *	Human Stress Research *	
	<i>Information Lab **</i>	Numerical Mathematics **	<i>Physics Lab **</i>	<i>Field Course in Environmental Earth Sciences **</i>	<i>Pharmacology **</i>	<i>Cell Biology and Physiology Lab **</i>	<i>Molecular Techniques and Immunology Lab **</i>	<i>Gastronomy: the Applied Sciences of Cooking*</i>	
200	Maker Lab**		Maker Lab**				Genes, Bioinformatics and Disease **		
	Advanced Programming **		Electrodynamics **	Hydrology and Watershed Management **	Physical Chemistry **		Metabolic Biochemistry **	Brain & Cognition **	
	Philosophical Logic *	Probability and Statistics **	<i>Statistical Mechanics *</i>	<i>Risk Management and Natural Hazards *</i>	Medicinal Chemistry **		Hormones and Homeostasis **	International Public Health **	
	Machine Learning *	Dynamical Systems *	Thermodynamics *	Environmental Archaeology *	<i>Environmental Chemistry/ Eco-Toxicology *</i>	Molecular Cell Biology *	<i>Human Body - Anatomy and Physiology II *</i>	Nutrition and Health **	
	Data Structure and Algorithms *	Vector Calculus	Quantum Physics *	System Earth *	Organic Chemistry *	Evolution and Origin of Human Diseases *	Immunology *	Epidemiology *	
		Linear Algebra		Introduction to Geological Sciences **					
100		Statistics for Sciences	Electricity and Magnetism **	Introduction to Geographic Information Systems *		Ecology - from Soil to Society **			
	Programming Your World	Calculus	Introduction to Physics *	Introduction to Environmental Sciences	Introduction to Chemistry	Introduction to Biology *	The Human Body - Anatomy and Physiology	Introduction to Public Health	
	Theme Information, Communication and Cognition: Introduction *	Theme Course: Climate and Energy *							
		Theme Life, Evolution and Universe: Introduction *							
						Theme Course: Climate and Sustainability *			
						Theme Health and Well-being: Introduction *			
	SCI	SCI/SSC	SCI/HUM	SCI/SSC/HUM	SCI/SSC/ACC	SCI/ACC			

\* = Offered only in Semester 1

\*\* = Offered only in Semester 2

*Italics* = Offered only in January (\*) and/or June (\*\*)