

Sciences 2018-2019

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

* = Offered only in Semester 1

** = Offered only in Semester 2

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