

# COURSES TAUGHT IN ENGLISH OPEN TO EXCHANGE STUDENTS

academic year 2019-2020

## CONTENTS



Faculty of Business and Economics	[2]
School of Biology	[9]
Faculty of Geosciences and Environment	[14]
Faculty of Arts	[18]
Faculty of Social and Political Sciences	[22]
Faculty of Law, Criminal Justice and Public Administration	[23]

*Subject to changes*

# FACULTY OF BUSINESS AND ECONOMICS

## UNDERGRADUATE COURSES

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

2020 Spring semester courses will be available in December. 2019 spring semester courses are listed for information.

bachelor of science in management, bachelor of science in economics

key

H/W

C

Hours per week

ECTS Credits

Course	Faculty staff	Semester	H/W	C
B-to-B Marketing	Christen Markus	Fall	4	6
Business Processes and Information Systems	Haki Kazem	Fall	2	6
Consolidated Financial Statements and External Control	André Paul, Vincent Dousse	Fall	4	4.5
Industrial Organization (BSc)	Strimbu Octavian Petru	Fall	4	6
Information Systems	Benjamin Mueller, J. Pillet	Fall	2	3
Introduction to Business Ethics	Gruban Mortiz	Fall	2	3
Microeconomics II	Klaus Bettina	Fall	4	6
Organizational soft-skills: From presentation techniques to group management	Marewski Julian	Fall	2	3
Quantitative Macroeconomics	Tischbirek Andreas	Fall	2	3
Retailing	Petersen Francine	Fall	2	3
Theater Skills for Management	Spencer James	Fall	2	3
Personal Development	Fiori Marina	Fall and spring 2020	2	3
Contemporary Challenges in Management Control	Mikes Anette	Spring 2019	2	3
Corporate Sustainability : The Environmental Perspective	Ionescu Aileen Margaret	Spring 2019	2	3
Economics of Health and Healthcare	Maurer Jürgen	Spring 2019	4	6
Entrepreneurial finance and the new venture funding process	Flury Sébastien	Spring 2019	3	6
Financial Markets	Steri Roberto	Spring 2019	4	6
International Money and Finance	Bacchetta Philippe	Spring 2019	4	6
International Trade and European Integration	Brülhart Marius	Spring 2019	4	6
Judgment and Decision Making	Hoffrage Ulrich	Spring 2019	2	3
Market Design and the Economics of Asymmetric Information	Santos Pinto Luis Pedro	Spring 2019	4	6
Marketing Research	Czellar Sandor	Spring 2019	4	6

Course	Faculty staff	Semester	H/W	C
Psychological Foundations of Economics	Zehnder Christian	Spring 2019	4	6
Service Operations Management	Iunius Ray Florian	Spring 2019	2	3

## GRADUATE COURSES

In order to attend master's degree courses, exchange students must have completed a bachelor's degree or a minimum of 3 years specialised study. Also some courses may require specific prerequisites and the approval of the master programme's director.

A more detailed description of the courses is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

2020 Spring semester courses will be available in December. 2019 spring semester courses are listed for information.

### master of science in economics

key  
**H/W** Hours per week  
**C** ECTS Credits

Course	Faculty staff	Semester	H/W	C
Applied Mathematics	Dogan Battal	Fall	1	1.5
Behavioral Economics	Santos Pinto Luis Pedro	Fall	4	6
Development Economics	Esposito Elena	Fall	4	6
Dynamic Macroeconomic Models	Cahn Christophe	Fall	4	6
Econometrics	Pellizzari Michele	Fall	4	7.5
Economic Policy Seminar	Benghalem Hélène	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Genes, Populations and Evolution	Lehmann Laurent	Fall	4	6
Health Economics	Dusheiko Mark	Fall	4	6
Human Behavior and Evolutionary Inference	Efferson Charles	Fall	4	6
International Trade	Brühlhart Marius	Fall	4	6
Labor Economics and Policy	Lalive Rafael	Fall	2	3
Macro Finance	St-Amour Pascal	Fall	2	3
Macroeconomic Policy	Benhima Kenza	Fall	4	6
Macroeconomics	Benhima Kenza	Fall	3	7.5
Macroeconomics of Financial Crises	Tischbirek Andreas	Fall	4	6
Mathematics for Economic Policy	Raghavan Madhav	Fall	1	1.5
Mathematics for Economics and Finance	Schuerhoff Norman	Fall	4	6
Microeconomics	Klaus Bettina	Fall	4	7.5
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Regulatory Economics	Thoeni Christian	Fall	2	3
Advanced Topics in Industrial Organization	Montez Joao	Spring 2019	4	6
Business Cycles	Bilbiie Florin	Spring 2019	4	6

## FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Economic Growth	Sakalli Seyhun Orcan	Spring 2019	4	6
Game Theory	Santos Pinto Luis Pedro	Spring 2019	4	6
International Macroeconomics	Bacchetta Philippe	Spring 2019	4	6
Macroeconometrics	Renne Jean-Paul	Spring 2019	4	6
Microeconometrics	Maurer Jürgen	Spring 2019	4	6
Programming	Scheidegger Simon	Spring 2019	4	6

## master of science in finance

Course	Faculty staff	Semester	H/W	C
Alternative Investments	Cho Thomas Kyung-Ha	Fall	4	6
Asset & Liability Management for Banks	Michoud Didier	Fall	2	3
Banking	poste vacant/prof. externe	Fall	2	3
Blockchain and Distributed Ledgers	Schmelzer Thomas	Fall	2	3
CFA Global Investment Research Challenge	Schuerhoff Norman	Fall	2	6
Corporate Finance (MScF)	Dimopoulos Theodosios	Fall	2	6
Datascience for Finance	Ielpo Florian	Fall	4	6
Entrepreneurship and Strategy	Tsukanova Tatyana	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Financial Accounting	Doukakis Leonidas	Fall	3	6
Investments	Goyal Amit	Fall	4	6
Market Microstructure	Riva Fabrice	Fall	2	3
Mathematics for Economics and Finance	Schuerhoff Norman	Fall	4	6
Mergers, Acquisitions, and Corporate Restructurings	Nikolov Boris	Fall	4	6
Optimization Methods in Management Science	Oeuvray Rodrigue	Fall	2	6
Private Equity & Venture Capital	Dimopoulos Theodosios	Fall	4	6
Quantitative Asset and Risk Management II	Alessandrini Fabio	Fall	4	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Unethical Decision Making - Advanced	Hoffrage Ulrich	Fall	2	3
Unethical Decision Making - Basics	Palazzo Guido	Fall	2	3
Advanced Data Analysis	Scheidegger Simon	Spring 2019	4	6
Asset Pricing / LT Portfolio Mgt	Walden Johan	Spring 2019	4	6
Derivatives	Steri Roberto	Spring 2019	4	6
Empirical Methods in Finance	Jondeau Eric	Spring 2019	4	6
Financial Analysis	vacat	Spring 2019	4	6
Fixed Income and Credit Risk	Rockinger Michael	Spring 2019	4	6

Course	Faculty staff	Semester	H/W	C
Quantitative Asset and Risk Management	Jondeau Eric	Spring 2019	4	6
Real Estate Investments	Walden Johan	Spring 2019	2	3
Simulation Methods in Finance and Insurance	vacat	Spring 2019	2	3
Valuation	Walden Johan	Spring 2019	4	6

## master of science in management

Course	Faculty staff	Semester	H/W	C
Behavioral Economics	Santos Pinto Luis Pedro	Fall	4	6
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Competitive Strategy	Amer Maistriaou Estefania	Fall	4	6
Competitive Strategy in the Digital Era	Kalanoski Dimitrija	Fall	4	6
Computational Complexity I	Duparc Jacques	Fall	2	3
Computational Complexity II	poste vacant/prof. externe	Fall	2	3
Digital Transformation in B to B	Lacoste Sylvie	Fall	2	3
Entrepreneurship and Strategy	Tsukanova Tatyana	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Fraud and Business Process Analytics	Baumgartner Marcel	Fall	2	3
Genes, Populations and Evolution	Lehmann Laurent	Fall	4	6
Global Marketing	Eckardt Thilo	Fall	2	3
Heuristic Decision Making Strategies	Marewski Julian	Fall	4	6
Human Behavior and Evolutionary Inference	Efferson Charles	Fall	4	6
Individual Behavior in the Digital Environment	Schlager Tobias	Fall	4	6
Innovation Law	Junod Valérie	Fall	2	3
Luxury Marketing	Morhart Felicitas	Fall	4	6
Machine Learning In Business Analytics	Boldi Marc-Olivier	Fall	2	6
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Marketing Science	Christen Markus	Fall	2	6
Optimization Methods in Management Science	Oeuvray Rodrigue	Fall	2	6
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Pricing Strategies	Mata José	Fall	4	6
Programming Tools in Data Science	Orso Samuel	Fall	4	6
Projets in Data Analytics for Decision Making	Zuber Jacques	Fall	2	6
Quantitative Methods for Management	Reboulleau Jérôme	Fall	2	6
Strategic Management Control Systems	Derchi Giovanni Battista	Fall	4	6
Strategic Marketing	Christen Markus	Fall	2	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Strategy and Development Modes	Castaner Xavier	Fall	4	6
Supply Chain Management and its Latest Trends	Hameri Ari-Pekka	Fall	4	6
Text Mining	Boldi Marc-Olivier	Fall	4	6
Total Rewards: from Practice to Theory	Salamin Alain	Fall	4	6
Unethical Decision Making - Advanced	Hoffrage Ulrich	Fall	2	3
Unethical Decision Making - Basics	Palazzo Guido	Fall	2	3
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent	Spring 2019	2	6
Brand Management	Czellar Sandor	Spring 2019	2	3
Business Intelligence and Analyzing Big Data	Niemi Tapio	Spring 2019	4	6
Consumer Behavior (MScM)	Kocher Bruno	Spring 2019	2	3
Customer Relationship Management	Christen Markus	Spring 2019	4	6
Data Science in Business Analytics	Vatter Thibault	Spring 2019	4	6
Distribution Management	Eckardt Thilo	Spring 2019	4	6
Environmental Crisis and Societal Change	Palazzo Guido	Spring 2019	2	3
Environmental Economics	Di Falco Salvatore	Spring 2019	2	3
Financial Reporting and Corporate Governance	Doukakis Leonidas	Spring 2019	2	3
Forecasting 1 (4.2)	Boldi Marc-Olivier	Spring 2019	2	3
Forecasting 2 (4.2)	Boldi Marc-Olivier	Spring 2019	3	3
Group Processes	Krings Franciska	Spring 2019	4	6
International Strategy	Mata José	Spring 2019	4	6
Leadership Development	Bendahan Samuel	Spring 2019	2	3
Management Science	Marewski Julian	Spring 2019	4	6
New Trends in Product Innovation	Leclerc Fabrice	Spring 2019	2	3
Operation Strategy: Analytical Applications	De Treville Suzanne	Spring 2019	2	3
Social Evolution: from Genes to Culture	Lehmann Laurent	Spring 2019	2	3
Social Well Being	Petersen Francine	Spring 2019	4	6
Strategic Interactions	Conti Annamaria	Spring 2019	4	6
Strategic Modelling	van Ackere Ann	Spring 2019	3	6
Strategy in the Health Sector	Dusheiko Mark	Spring 2019	4	6
Supply-Chain Analytics	De Treville Suzanne	Spring 2019	4	6
Survey Sampling	Wilhelm Matthieu	Spring 2019	2	3
The Management of Risk, Reputation and Legitimacy	Haack Patrick	Spring 2019	4	6
Theories of Organizational Behaviour	Dietz Jörg	Spring 2019	2	6

## master of science in actuarial science

Course	Faculty staff	Semester	H/W	C
Actuarial Modelling	Hashorva Enkelejd	Fall	2	6
Asset and Liability Management for Actuaries	Wagner Joël	Fall	4	6
Blockchain and Distributed Ledgers	Schmelzer Thomas	Fall	2	3
Computational Tools for Actuaries	Zucchinetti Giovanni	Fall	2	6
Credibility Theory	Smith Nathaniel	Fall	2	3
Financial Accounting	Doukakis Leonidas	Fall	3	6
Insurance Analytics	Bladt Martin	Fall	2	3
Insurance Economics	Wagner Joël	Fall	2	3
Investments	Goyal Amit	Fall	4	6
Life Contingencies II	Dufresne François	Fall	4	6
Life Insurance Actuarial Controlling	Murer François	Fall	2	3
Mathematics of Compound Interest	Arnold Séverine	Fall	2	3
Principles of Finance	Goyal Amit	Fall	3	6
Probability and Stochastic Processes	Albrecher Hansjoerg	Fall	4	6
Quantitative Methods for Actuaries	Gruetzner Guido	Fall	4	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Life Contingencies I	Dufresne François	Spring 2019	4	6
Loss Models	vacat	Spring 2019	4	6
Ratemaking and Claims Reserving	Trufin Julien	Spring 2019	2	3
Risk Theory	Albrecher Hansjoerg	Spring 2019	4	6
Social Insurance	Arnold Séverine	Spring 2019	2	3
Time Series	vacat	Spring 2019	2	3

## master of Law in Law and economics

Course	Faculty staff	Semester	H/W	C
Advanced Financial Analysis	André Paul	Fall	2	3
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Econometrics	Pellizzari Michele	Fall	4	7.5
Empirical Methods for Lawyers	Thoeni Christian	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Fiscal Policy	Soguel Nils	Fall	2	3
Innovation Law	Junod Valérie	Fall	2	3

[8] COURSES TAUGHT IN ENGLISH 2019-2020

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Microeconomics & Game Theory	Thoeni Christian	Fall	4	6
Regulatory Economics	Thoeni Christian	Fall	2	3
Taxation of Multinational Enterprises	Chand Vikram	Fall	2	3
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Unethical Decision Making - Advanced	Hoffrage Ulrich	Fall	2	3
Unethical Decision Making - Basics	Palazzo Guido	Fall	2	3
Advanced Group Accounting	André Paul	Spring 2019	2	3
Financial Institutions & Regulation	Bruhin Adrian	Spring 2019	4	6
Political and Institutional Economics	Saia Alessandro	Spring 2019	4	6
Project Management & Outsourcing (MScM-MDE)	Bienz Pius V.	Spring 2019	4	6

master of science in information systems

Course	Faculty staff	Semester	H/W	C
Data Mining and Machine Learning	Vlachos Michalis	Fall	4	6
Enterprise Data and Integration	Estier Thibault	Fall	3	6
Information Security & Privacy	Huguenin Kevin	Fall	2	6
Interaction Design	Cherubini Mauro	Fall	4	6
Analysis, Modeling and Design in IS	vacat	Spring 2019	4	6
Emerging Distributed Architectures	vacat	Spring 2019	2	6
Project Management & Outsourcing (MScIS)	Bienz Pius V.	Spring 2019	4	6
Web-Scale Analytics	vacat	Spring 2019	4	6



## SCHOOL OF BIOLOGY

## UNDERGRADUATE COURSES

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

## bachelor of science in biology

key  
C

ECTS Credits

Course	Faculty Staff	Semester	C
<b>BSc 3rd year</b>			
From Mutation to Gene Function	Farmer E.	Fall	2
Principles of Molecular Biophysics	Fasshauer D.	Fall	2
Molecular Evolution	Robinson-Rechavi M.	Fall	2
Population Biology and Conservation	Wedekind C.	Fall	2.5
Practical Work in Molecular Biology, Center for Integrative Genomics	Weber J.	Fall	8
<b>Optional courses BSc 2nd and 3rd year</b>			
Plant Evolutionary Ecology	Sanders I.	Fall	1
Chemosensory Perception : from Genes to Behaviour	Benton R.	Fall	1
Sleep and Circadian Rhythms : from Molecules to Performance	Franken P.	Fall	1
Design and Build a Synthetic Biological System (iGEM Project)	Schaerli Y.	Spring	2
Case Studies in Conservation Biology	Wedekind C.	Spring	1
Molecular Machines	Fasshauer D.	Spring	1
<b>Advanced Molecular, Cellular and Developmental Biology</b>			
Molecular Basis of Cancer	Thome M., Julliard-Favre M.	Spring	9
Chromatine, transcription et maturation de l'ARN	Roignant J.-Y.	Spring	
Cell Cycle, DNA Replication and Recombination	Gruber S., Pelet S.	Spring	
Proteasome Degradation	Staub O., Fankhauser C.	Spring	
Circadian Clocks	Fankhauser C., Franken P.	Spring	
Introduction to Reading and Presentation of Scientific Literature	Thome M.	Spring	
Body Patterning	Benton R.	Spring	
Understanding & Interpretation of Scientific Literature	All teachers involved in the module	Spring	

Course	Faculty Staff	Semester	C
<b>Genetics and Genome Evolution</b>			
Bioinformatics for Genomics	Bergmann S.	Spring	9
Epigenetics	Gambetta M.C.	Spring	
Epistasis, Oligogenicity, Pleiotropy and beyond	van Leeuwen J.	Spring	
Evolution of Chromosomes	Arguello R.	Spring	
Cancer Genetics	Ciriello G.	Spring	
Quantitative Genetics	Salamin N., Kutalik Z., Bergmann S., Maurer F.	Spring	
Bacterial Genomes and Evolution	Greub G.	Spring	
Structural Genomics and Mutation	Reymond A.	Spring	
<b>The Dynamic Cell</b>			
Cilia: Cellular Antennae - Structure, Function, Evolution and Disease	Benton R.	Spring	9
Cell Cycle Control of Genome Duplication and Segregation	Gruber S., Pelet S.	Spring	
Dynamics and Organisation of the Plasma Membrane	Geldner N.	Spring	
Scientific writing	Gruber S.	Spring	
Evolution of the Eukaryotic Cell	Fasshauer D.	Spring	
Homeostasis of Proteins and Lipids in Intracellular Compartments	Mayer A.	Spring	
Cell Division : When, Where, How?	Martin S.	Spring	
Fungal Life Cycle : Paradigm of Sexuality	Hauser P.	Spring	
Chloroplast Origin, Division and Dynamics	Fankhauser C.	Spring	
Bacterial Cell Cycle Regulation	Collier J.	Spring	
Cellular Senescence and Aging	Ocampo Méndez A.	Spring	
Critical Reading of the Scientific Literature	Martin S., Gruber S., Geldner N., Benton R., Fasshauer D., Hauser P.	Spring	
<b>Biotic Interactions</b>			
Bacteria-Hosts	Veening J.-W., Keel C.	Spring	9
Fungi-Hosts	Sanglard D., Sanders I.	Spring	
Endosymbionts and Bacterial Parasites	Greub G.	Spring	
Bee Microbiome	Engel P.	Spring	
Parasites	Tacchini-Cottier F., Hauser P.	Spring	
Plants-Insects	Reymond P.	Spring	
Viruses-Hosts	Gouttenoire J., Ciuffi A.	Spring	
Practical Work : Introduction to Research	Gouttenoire J.	Spring	

Course	Faculty Staff	Semester	C
Journal Club	Gouttenoire J., Reymond P., Sanglard D., Tacchini-Cottier F., Hauser P., Ciuffi A., Greub G., Keel C.	Spring	

## GRADUATE COURSES

A more detailed description of the courses is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

### master of science in behaviour, evolution and conservation

key

C

ECTS Credits

Course	Faculty staff	Semester	C
Data Analysis	Robinson M.	Autumn	2
Introduction into Scientific Writing	Waterhouse R.	Autumn	2
Molecular Methods in Ecology and Evolution	Sanders I., Fumagalli L.	Autumn	5
Advanced Data Analysis	Robinson M.	Autumn	2.5
Advanced Quantitative Genetics	Robinson M.	Autumn	1.5
Animal Communication and Parasitism	Christe P., Roulin A.	Autumn	1.5
Major Transitions in Evolution	Ulrich Y.	Autumn	1.5
Phylogeography	Fumagalli L.	Autumn	1.5
Spatial Analysis and GIS in Ecology	Guisan A.	Autumn	1.5
Applied Ecology	Pellet J.	Spring	3
Biological Invasions	Bertelsmeier C.	Spring	1.5
Co-evolution, Mutualism, Parasitism	Sanders I.	Spring	1.5
Current Problems in Conservation Biology	Wedekind C.	Spring	3
Ecology of the Fishes of Switzerland	Rubin J.-F.	Spring	1.5
Evolution of Genome Architecture	Arguello R.	Spring	1.5
Evolutionary Consequences of Hybridization and whole Genome Duplication	Arrigo N.	Spring	1.5
Honeybee Ecology, Evolution and Conservation	Dietemann V.	Spring	1.5
Integrated course Mountain Ecosystems - Ecology & Evolution	Guisan A.	Spring	1.5
Integrated course Mountain Ecosystems - Geo-Environmental Sciences	Guisan A.	Spring	1.5
Introduction to Primate Behaviour, Cognition and Culture	Van de Waal E.	Spring	1.5
Phylogeny and Comparative Methods	Salamin N.	Spring	1.5
Plant Population Genetics and Conservation	Felber F.	Spring	1.5

## SCHOOL OF BIOLOGY

Course	Faculty staff	Semester	C
Plant Range Dynamics and Global Change	Randin C.	Spring	1.5
Population Genetics and Dynamics	Goudet J.	Spring	1.5
Spatial Modelling of Species and Biodiversity	Guisan A.	Spring	3
Scientific Communication - Scientific Hands-on Workshop Module (in French only)	Kaufmann A., Reymond P., Ducoulombier D., Trouilloud S.	Spring	3
Scientific Mediation and Communication - Museum Module	Sartori M., Glaizot O.	Spring	3
The Evolution of Cooperation : from Genes to Learning and Culture	Lehmann L.	Spring	3
Social Genetics	Keller L., Kay T.	Spring	1.5

## master of science in molecular life sciences

Course	Faculty staff	Semester	C
Sequence a Genome I	van der Meer J., Engel P., tutors	Autumn	3
Write a Review	Benton R., Sohrmann M., tutors	Autumn	4
Biotechnology	Poirier Y., Mermod N.	Autumn	1.5
Development of the Nervous System	Braissant O.	Autumn	1.5
Molecular Mechanisms of Evolution	Benton R., Geldner N.	Autumn	1.5
Plant Functional Genetics	Poirier Y.	Autumn	1.5
Case Studies in Bioinformatics (compulsory for Bioinformatics specialisation)	Bergmann S., others	Autumn	2.5
Programming for Bioinformatics (compulsory for Bioinformatics specialisation)	Salamin N.	Autumn	2
Advanced Microbial Genetics	Collier J., Pelet S.	Autumn	1.5
Bacterial Genomes and Genome Evolution	van der Meer J.	Autumn	1.5
Fungal Virulence and Pathogenicity	Sanglard D., Lamoth F., Hauser P.	Autumn	1.5
Immunology and Infectious Diseases	Roger T., Perreau M., Di Domizio J.	Autumn	1.5
Plant Interactions with Microbes and Insects	Keel C., Reymond P.	Autumn	1.5
Virus-Host Interactions	Kunz S., Gouttenoire J.	Autumn	1.5
Sequence a Genome II	van der Meer J., Engel P., tutors	Spring	3
Write a Fellowship	Benton R., tutors	Spring	3
Genomics, Proteomics and Quantitative Genetics	Franken P., Tafti M., Quadroni M., Marquis J., Gambetta M.C.	Spring	3
Herbivory : Why is the Earth Green ?	Farmer E.	Spring	3
Plant and Animal Domestication : from History to Molecular Mechanisms	Hardtke C., Fankhauser C.	Spring	3
Supplement : Sequence a Genome	van der Meer J., Engel P.	Spring	1.5
Advanced Population Genetics	Malaspina A.-S.	Spring	3

## SCHOOL OF BIOLOGY

<b>Course</b>	<b>Faculty staff</b>	<b>Semester</b>	<b>C</b>
Bioinformatic Algorithms	Dessimoz C., Gfeller D.	Spring	3
Computational Thinking in Cancer Genomics	Ciriello G.	Spring	1.5
Industrial Bioinformatics	Xenarios I.	Spring	1.5
Anti-Infective Agents	Sanglard D., Hauser P., Croxatto A., Ciuffi A.	Spring	1.5
Bacterial Virulence and Pathogenesis	Greub G., Hauser P., Jacquier N.	Spring	1.5
Chromosome Organization and Dynamics	Gruber S.	Spring	1.5
Environmental Microbiology	van der Meer J.	Spring	1.5
Epidemiology of Human Pathogens	Blanc D., Hauser P., Manuel O., Meylan P., Sanglard D., Senn L.	Spring	1.5
Microbes as Tools in Experimental Biology	Sanglard D., Ciuffi A.	Spring	1.5
Microbial Cytoskeleton - A Scientific Writing Class	Martin S., Collier J.	Spring	1.5
Viral Pathogenesis and Emerging Viruses	Kunz S., Gouttenoire J., Ciuffi A.	Spring	1.5

# FACULTY OF GEOSCIENCES AND ENVIRONMENT

## GRADUATE COURSES

Some courses may require specific prerequisites and the approval of the master programme's director.  
A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

### master of science in environmental sciences

#### key

**C** ECTS Credits  
\* Participation subject to certain conditions. Contact: [elste@unil.ch](mailto:elste@unil.ch)

Course	Faculty staff	Semester	C
Advanced quantitative risk and vulnerability	Michel Jaboyedoff	Fall	3
Applications of environmental science seminar series	Nathalie Chèvre, Marc-Henri Derron, Niklas Linde	Fall	2
Communication on environmental risks	Michel Jaboyedoff, Sabina Rondic, Karen Sudmeier-Rieux	Fall	3
Environmental chemistry and toxicology	Nathalie Chèvre, Jasquelin Pena	Fall	5
Environmental time-series analysis	James Irving	Fall	5
Fluid flow and transport in the subsurface	Pietro De Anna	Fall	5
Introduction to environmental systems analysis	Grégoire Mariéthoz	Fall	4
Monitoring techniques for slope dynamics	Marc-Henri Derron	Fall	5
Remote sensing of Earth Systems	Stuart Lane, Grégoire Mariéthoz	Fall	5
Scientific computing	Yury Podladchikov	Fall	5
Tracing biogeochemical processes and fluxes using isotope analysis	Torsten Vennemann	Fall	2
Aquatic ecosystems: glaciers, rivers, and lakes	Stuart Lane, Marie-Elodie Perga	Spring	5
Environmental biogeochemistry: molecular-scale perspectives on water-microbe-mineral interactions	Jasquelin Peña	Spring	3
Environmental data mining	Mikhail Kanevski	Spring	5
Erosion and slope movements	Michel Jaboyedoff	Spring	5
Field and laboratory methods (I): The UNIL campus as a microcosm	Nathalie Chèvre, Jasquelin Pena, Torsten Vennemann	Spring	5
Field and laboratory methods (II): Alpine catchments	Marie-Elodie Perga	Spring	5
Flood risk modeling	François Mettra	Spring	5
Geostatistics and GIS	Mikhail Kanevski	Spring	5
Model parameter estimation and uncertainty quantification	Niklas Linde	Spring	5

Course	Faculty staff	Semester	C
Risk management (monitoring, early warning, post-disaster preparedness)	Michel Jaboyedoff	Spring	2
Risk quantification and insurance	Laurent Marescot	Spring	2

## master of science in earth sciences

Course	Faculty staff	Semester	C
2D and 3D seismic interpretation	Andrea Moscariello	Fall	6
Advanced ore deposits	Massimo Chiaradia, Kalin Kouzmanov, Robert Moritz	Fall	4
Alpine structural geology	Jean-Luc Epard	Fall	3
Basin Research	Sebastien Castelltort	Fall	6
Biom mineralization	Anders Meibom	Fall	4
Borehole logging and rock physics	Andrea Moscariello, Beatriz Quintal	Fall	6
Carbonates	Elias Samankassou	Fall	2
Clastics	Sébastien Castelltort	Fall	2
Electron probe microanalyzer	Martin Robyr	Fall	1
Fluid inclusions	Robert Moritz	Fall	1.5
Gemmology - field *	Laurent Cartier	Fall	1
Geophysics across scales for geologists	György Hetényi	Fall	3
Inductively-coupled plasma mass-spectrometry	Alexey Ulianov	Fall	1
Introduction to data analysis with MATLAB	Guy Simpson	Fall	1
Introduction to geothermics	Stephen A Miller	Fall	2
Introduction to hydrogeology and hydrology	Philipp Brunner	Fall	3
Laboratory techniques in geochemistry	Urs Schaltegger	Fall	0.5
Life evolution	Elias Samankassou	Fall	6
Low-temperature alteration in the Upper Crust	Susanne Schmidt	Fall	1.5
MATLAB as a language of scientific computing	Yury Podladchikov	Fall	3
Methods of exploration	Georges Beaudoin	Fall	3
Modelling volcanic processes	Costanza Bonadonna	Fall	2
Ore microscopy	Kalin Kouzmanov	Fall	2
Petrological processes in geodynamic environments	Othmar Müntener, Urs Schaltegger	Fall	9
Physics as a basis for modeling	Yury Podladchikov	Fall	3
PoroPerm and QemScan	Andrea Moscariello	Fall	0.5
Quantitative tectonics	Stefan Schmalholz	Fall	4
Scanning electron microscopy (MSc Geol - UNIL)	Pierre Vonlanthen	Fall	1

## FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
Sedimentary laboratory techniques	NN	Fall	0.5
Weathering processes and soils formation	Eric Verrecchia	Fall	1
Biostratigraphy and micropaleontology	Rossana Martini	Fall & Spring	6
3D static and geological modelling - Petrel and Eclypse	Andrea Moscariello	Spring	3
Advanced ore deposits II	Massimo Chiaradia, NN, Kalin Kouzmanov, Robert Moritz	Spring	2
Alpine tectonics, field camp *	Jean-Luc Epard	Spring	3
Applied mineralogy	Benita Putlitz, Torsten Vennemann	Spring	2
Cartographic data management and landslide susceptibility assessment	Mario Sartori	Spring	3
Clastic reservoirs	Andrea Moscariello	Spring	3
Fluid flow for geologists	Matteo Lupi	Spring	6
Fluids in Earth crust	Lukas Baumgartner	Spring	2
From play evaluation to field development	Andrea Moscariello	Spring	3
Environmental biogeochemistry	Jasquelin Peña	Spring	3
Gemmology	Laurent Cartier	Spring	2
Geology of clays	Thierry Adatte	Spring	1.5
Hazards and risks of slope mass movements: field camp II *	Marc-Henri Derron, Michel Jaboyedoff	Spring	3
Imperial Barrel Award (AAPG)	Andrea Moscariello	Spring	6
Initiation to the ion probe	Anne-Sophie Bouvier, Anders Meibom	Spring	0.5
Integrated basin analysis	Andrea Moscariello	Spring	6
Marine seismic acquisition, interpretation and data integration	Daniel Ariztegui	Spring	3
Microtectonics	Martin Robyr, Stefan Schmalholz	Spring	2
Microtomography	Lukas Baumgartner	Spring	0.5
Mining geophysics	James Irving	Spring	1
Optical cathodoluminescence	Rossana Martini	Spring	0.5
Organic Geochemistry (MSc GEOL)	Jorge Spangenberg	Spring	3
Physics and structure of minerals	Othmar Müntener	Spring	1
Reading rocks - Rock textures and fluids	Kalin Kouzmanov	Spring	1
Risk management	Scari Menoni	Spring	6
Sedimentary rocks in the field *	Sébastien Castelltort	Spring	4
Seismic Risk	D. Fäh	Spring	3
SPACE-GEOENERGY: Geomatics and geo-energy	Andrea Moscariello	Spring	3
Spatial risk assessment	Corine Frischknecht	Spring	3



Course	Faculty staff	Semester	C
Stable and radiogenic isotope geochemistry	Massimo Chiaradia	Spring	6
Stable isotopes analysis	Torsten Vennemann	Spring	0.5
Syn-tectonic granite emplacement and vein formation - Cévennes, France	Kalin Kouzmanov	Spring	3
Volcanic risk	Costanza Bonadonna	Spring	3
Volcano fieldtrip *	Costanza Bonadonna, Luca Caricchi, Sébastien Pilet	Spring	2
Volcano petrology *	Luca Caricchi, Sébastien Pilet	Spring	2

### master of science in geography

Course	Faculty staff	Semester	C
Thinking cities, building cities	M. Müller, René Véron	Fall	3
Dates and Rates of Mountain Evolution	Georgina King	Fall	3
Environmental impact and risk assessments	Gretchen Walters	Fall	3
Analysis, visualisation and simulation of geographical networks	Céline Rozenblat	Spring	6
Environmental management and livelihoods	Ross Schackleton	Spring	5
Mountain streams: ecological processes and management	Stuart Lane	Spring	3
Planning cities in uncertain times	Julio Da Cruz Paulos, Martin Müller	Spring	3

## FACULTY OF ARTS

## UNDERGRADUATE COURSES

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

## bachelor of arts, english department

key

H/W

Hours per week

C

ECTS Credits

Course	Faculty staff	Semester	H/W	C
American Perspectives III	B. Vejdovsky	Fall	2	4
American War Writing	A. Soltysik Monnet	Fall	2	4
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Fall	1	2
Anglo-American Literary Survey III	B. Vejdovsky	Fall	1	2
Encounter : Chaucerian Romance: 'The Knight's Tale' and Troilus and Criseyde'	D. Renevey	Fall	2	4
Encounter : Love, Ethics, and Politics in John Gower's Confessio amantis	R. Critten	Fall	2	4
English Composition	K. Stirling	Fall	2	4
Exploration : In Bed With Geoffrey Chaucer: The Dream Vision Poems	R. Critten	Fall	2	4
Exploration : Introduction to Old English and Paleography	J. Vuille	Fall	2	4
Exploration : Medieval Pulp Fictions: Popular Romance in the Auchinleck Manuscript	R. Critten	Fall	2	4
Exploration : Obscenity in Middle English Literature	D. Renevey	Fall	2	4
Exploration : Women's Words, Women's Voices	D. Renevey	Fall	2	4
Global Theatricality in Renaissance England	K. Curran	Fall	2	4
Introduction to English language and linguistics (IELL)	J. Thorburn	Fall	1	3
Introduction to Gender Studies : 18-19th century	V. Cossy	Fall	2	4
Introduction to Gender Studies : 19-20th century	V. Cossy	Fall	2	4
Introduction to Literary Analysis	R. Falconer, M. Hennard Dutheil, B. Pickford, E. Steiner, K. Stirling, B. Vejdovsky	Fall	2	6
Introduction to Modern Irish	M. Ronan	Fall	2	4
Jane Eyre across Languages, Genres and Media	M. Hennard Dutheil	Fall	2	4
Keats's Great Odes	R. Falconer	Fall	2	4
Linguistics : Language Policy	M. Garrido Sardà	Fall	2	4

## FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Linguistics : The Sociolinguistics of Cyberspace	J. Thorburn	Fall	2	4
Literary Analysis : D. H. Lawrence, Sons and Lovers	V. Cossy	Fall	2	3
Literary Analysis : How to Live. What to Do: The Poetry of Elizabeth Bishop	B. Vejdovsky	Fall	2	3
Literary Analysis : Introduction to Comparative Literature	M. Hennard Dutheil	Fall	2	3
Literary Analysis : Margaret Atwood's Short Stories	K. Stirling	Fall	2	3
Literary Analysis : The Merchant of Venice: Text and Script	K. Curran	Fall	2	3
Literary Analysis : William Wycherley's The Country Wife	K. Curran	Fall	2	3
Literary Analysis : Zora Neale Hurston	A. Soltysik Monnet	Fall	2	3
Narratives of Catastrophe	E. Steiner	Fall	2	4
Practicing English Proficiency - PEP	C. Neuenschwander, J. Thorburn	Fall	1	na
Shakespeare and the Commedia dell'arte	K. Stirling	Fall	2	4
Synchronic Linguistics: Introduction to Sociolinguistics	C. Neuenschwander, J. Thorburn	Fall	2	3
Synchronic Linguistics: Language Acquisition	G. Merminod	Fall	2	3
The Development of the English Language	A. Auer	Fall	1	1
American Gothic	A. Soltysik Monnet	Spring	2	4
American Perspectives IV	B. Vejdovsky	Spring	2	4
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Spring	1	2
Ecopoetics and Kathleen Jamie	R. Falconer	Spring	2	4
Encounter : Gender and Space in the Later Medieval Period	J. Vuille	Spring	2	4
Encounter : The Author in Drag ? Geoffrey Chaucer's Wife of Bath	R. Critten	Spring	2	4
English Composition	K. Stirling	Spring	2	4
Exploration : Sex, Love, and marriage in Geoffrey Chaucer's Canterbury Tales	R. Critten	Spring	2	4
Introduction to English language and linguistics (IELL)	J. Thorburn	Spring	1	1
Introduction to Gender Studies : 20th-21st Century	V. Cossy	Spring	2	4
Introduction to Literary Analysis	R. Falconer, M. Hennard Dutheil, B. Pickford, E. Steiner, K. Stirling, B. Vejdovsky	Spring	2	6
Lecture. Discovery: Medieval English	D. Renevey	Spring	1	1
Linguistics : Endangered Languages	J. Thorburn	Spring	2	4
Linguistics : The Language of Jane Austen and her Contemporaries	A. Auer	Spring	2	4
Literary Analysis : African American Poetry	A. Soltysik Monnet	Spring	2	3
Literary Analysis : Kathleen Jamie's Eco-Prose	R. Falconer	Spring	2	3
Literary Analysis : KJ Orr's Light Box	M. Hennard Dutheil	Spring	2	3
Literary Analysis : Silko's Ceremony	V. Cossy	Spring	2	3

## FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Literary Analysis : The Poetry of John Donne	K. Stirling	Spring	2	3
Literary Analysis : Theaters of Knowledge : Marlowe and Shakespeare	K. Curran	Spring	2	3
Literary Analysis : War Poetry	A. Soltysik Monnet	Spring	2	3
Modernist Female Eroticism	R. Falconer	Spring	2	4
Practicing English Proficiency - PEP	C. Neuenschwander, J. Thorburn	Spring	1	na
Shakespeare's Theater	K. Curran	Spring	3	4
Synchronic Linguistics: English Dialects Past and Present	A. Auer	Spring	2	3
Synchronic Linguistics: Introduction to Multilingualism in Society	M. Garrido Sardà	Spring	2	3
Synchronic Linguistics: Language History and Language Change	M. de Vaan	Spring	2	3
Translating Children's Literature	M. Hennard Dutheil	Spring	2	4
Workshop. Discovery: Medieval English	R. Critten, D. Renevey, J. Vuille	Spring	2	3

## GRADUATE COURSES

Graduate courses are open only to students with a background in the subject!

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

key

H/W

Hours per week

C

ECTS Credits

## master of arts, english department

Course	Faculty staff	Semester	H/W	C
Academic Socialization in L2: Ethnographic sociolinguistic approaches to linguistic socialization	M. Garrido Sardà	Fall	2	4
American Weird	B. Pickford	Fall	2	5
Critical Approaches	B. Pickford, B. Vejdovsky	Fall	2	5
Gawain on Location: Medieval Literature in the British North West and the Alps	D. Renevey	Fall	2	5
Heroism, Gender, and Holiness in Old English Literature	J. Vuille	Fall	2	5
Introduction to Modern Irish	M. Ronan	Fall	2	4
Introduction to New American Studies	A. Soltysik Monnet	Fall	2	5
Jane Austen and the Romantics	E. Steiner	Fall	2	5
Language and Identity	A. Auer	Fall	2	5
Language Change across the Lifespan	J. Thorburn	Fall	2	5
New American Studies : colloque final	A. Soltysik Monnet	Fall	na	2
Participation in scientific conference	A. Soltysik Monnet	Fall	na	3
Self-translation, Selbstübersetzung, autotraduction	M. Hennard Dutheil, A. Sanmann-Graf	Fall	2	3
The Development of the English Language	A. Auer	Fall	1	1

## FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
The Golden Bough : Seamus Heaney and Virgil	R. Falconer	Fall	2	3
The Legal Imagination: Renaissance Texts/Contemporary Questions	K. Curran	Fall	2	5
Women writing about themselves in the 19th century : Aurora Leigh (1857) by Elizabeth Barrett Browning and Histoire de ma vie (1854-55) by George Sand	V. Cossy	Fall	2	5
Africana : Writing about Women and Nigeria in a Global World (Chimamanda Ngozi Adichie, Sefi Atta, Lola Shoneyin)	V. Cossy	Spring	2	5
Early Modern Print Culture in the Digital Age	K. Stirling	Spring	2	5
Edgar Allan Poe	A. Soltysik Monnet	Spring	2	5
Environmental Crisis and Societal Change : Discourse, Effects, Solution.	G. Palazzo, B. Vejdovsky	Spring	2	5
Kazuo Ishiguro's Memory Fiction	R. Falconer	Spring	2	5
Language and Gender	J. Thorburn	Spring	2	5
Language Recovery after a Stroke	J. Schwyter	Spring	2	5
New American Studies : Final Colloquium	A. Soltysik Monnet	Spring	na	2
Participation in scientific conference (New American Studies)	A. Soltysik Monnet	Spring	na	3
Research Methodologies	K. Stirling	Spring	2	5
The Robin Hood Legend	D. Renevey	Spring	2	5
Translation and rewriting	M. Hennard Dutheil	Spring	2	3
What Can Theater Do? Thinking with Caryl Churchill	K. Curran	Spring	2	5
Writing the Transatlantic Slavery	E. Steiner	Spring	2	5

# FACULTY OF SOCIAL AND POLITICAL SCIENCES

## GRADUATE COURSES

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

Master of Arts in Public Opinion and Survey Methodology (courses given at UNIL only)

key

H/W

Hours per week

C

ECTS Credits

Course	Faculty staff	Semester	H/W	C
<a href="#">Designing and planning social science research</a>	Georg Lutz	Fall	2	3
<a href="#">Survey research methods</a>	Caroline Roberts	Fall	2	3
<a href="#">Quantitative data analysis in social science research</a>	Stefanie Steinmetz	Fall	4	6
<a href="#">Questionnaire design</a>	Caroline Roberts	Spring	2	3
<a href="#">Social psychology of opinion formation</a>	Christian Staerklé	Spring	2	3
<a href="#">Exploratory techniques, data visualization and data presentation</a>	Boris Wernli	Spring	2	3

# FACULTY OF LAW, CRIMINAL JUSTICE AND PUBLIC ADMINISTRATION

## GRADUATE COURSES

A more detailed description of the course is available on [www.unil.ch/programmes](http://www.unil.ch/programmes)

### master of arts in public management and policy

key

C

ECTS Credits

Course	Faculty staff	Semester	C
Contract Economics and Organization of Public Services	Laure Athias	Fall	3
Digital government transformation	Tobias Mettler	Fall	3
Econometrics of Panel Data	Christopher Grigoriou	Fall	3
Economics of Education	Simon Mark Burgess	Fall	3
European governance and europeanization	Emmanuelle Mathieu	Fall	3
Fiscal Federalism and Equalization	Marko Köthenbürger	Fall	3
Fiscal Policy	Nils Soguel	Fall	3
Introduction to applied econometrics	Christopher Grigoriou	Fall	3
Managing diversity: from migration to integration policy	Flavia Fossati	Fall	3
Managing regulation in modern government	Lorenzo Allio	Fall	3
Public administration and international regulation	Martino Maggetti	Fall	6
Transforming social welfare institutions	Giuliano Bonoli	Fall	3
Transnational Private Regulation	Christian Ewert	Fall	3
Evaluation des politiques publiques	Pirmin Bundi	Spring	3
Internationalisation of Public Policies	Flavia Trifa	Spring	3
Research Methods	Tobias Mettler	Spring	6

### master of Law

Course	Faculty staff	Semester	C
International Commercial Litigation	A. Bonomi, E. Lein	Fall	6
Microeconomics & Game Theory	C. Thoeni	Fall	6
International Law & Its Relations with Domestic Legal Systems	E. Schmid	Spring	3
Contract Drafting	E. Lein	Spring	3

[24] COURSES TAUGHT IN ENGLISH 2019-2020

FACULTY OF LAW, CRIMINAL JUSTICE AND  
PUBLIC ADMINISTRATION

<b>Course</b>	<b>Faculty staff</b>	<b>Semester</b>	<b>C</b>
American Law	K. Druckman	Spring	6
International Commercial Arbitration	A. Bonomi, E. Lein	Spring	6
International Human Rights Law	E. Schmid	Spring	6