

# COURSES TAUGHT IN ENGLISH OPEN TO EXCHANGE STUDENTS

academic year 2018-2019

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# 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)

bachelor of science in management, bachelor of science in economics

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

Course	Faculty staff	Semester	H/W	C
Applied Organizational Behavior and Management I	Marewski Julian	Fall	2	3
Business Processes and Information Systems	Haki Kazem	Fall	4	6
Consolidated Financial Statements and External Control	André Paul	Fall	4	4.5
Industrial Organization (BSc)	Von Ungern-Sternberg Thomas	Fall	4	6
Integrated Marketing Communication	Schlager Tobias	Fall	2	3
Introduction to Business Ethics	Haack Patrick	Fall	2	3
Microeconomics II	Klaus Bettina	Fall	4	6
New product and service development	Leclerc Fabrice	Fall	2	3
Quantitative Macroeconomics	Tischbirek Andreas	Fall	2	3
Theater Skills for Management	Spencer James	Fall	2	3
Personal Development	Fiori Marina	Fall & Spring	2	3
Consumer Behaviour (BScM)	Petersen Francine	Spring	2	6
Contemporary Challenges in Management Control	Mikes Anette	Spring	2	3
Corporate Sustainability : The Environmental Perspective	Ionescu Aileen Margaret	Spring	2	3
Economics of Health and Healthcare	Maurer Jürgen	Spring	4	6
Entrepreneurial finance and the new venture funding process	Flury Sébastien	Spring	3	6
Financial Markets	Steri Roberto	Spring	4	6
International Money and Finance	Bacchetta Philippe	Spring	4	6
International Trade and European Integration	Brülhart Marius	Spring	4	6
Judgment and Decision Making	Hoffrage Ulrich	Spring	2	3
Market Design and the Economics of Asymmetric Information	Santos Pinto Luis Pedro	Spring	4	6
Marketing Research	Czellar Sandor	Spring	4	6
Psychological Foundations of Economics	Zehnder Christian	Spring	4	6
Service Operations Management	Iunius Ray Florian	Spring	2	3

## GRADUATE COURSES

FACULTY OF BUSINESS AND ECONOMICS

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)

## master of science in economics

key  
H/W Hours per week  
C ECTS Credits

Course	Faculty staff	Semester	H/W	C
Applied Mathematics	Raghavan Madhav	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
Ecology and Evolution	Lehmann Laurent	Fall	4	6
Econometrics	Pellizzari Michele	Fall	5	7.5
Economic Analysis and Communication	Von Ungern-Sternberg Thomas	Fall	2	6
Economic Policy Seminar	Sakalli Seyhun Orcan	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Health Economics	Dusheiko Mark	Fall	4	6
International Trade	Milet Emmanuel	Fall	4	6
Labor Economics and Policy	Lalive Rafael	Fall	2	3
Macro Finance	St-Amour Pascal	Fall	2	3
Macroeconomic Policy	Pappadà Francesco	Fall	4	6
Macroeconomics	Pintus Patrick	Fall	5	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	5	6
Microeconomics	Klaus Bettina	Fall	5	7.5
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Regulatory Economics	Thoeni Christian	Fall	2	3
The Major Transition in Evolution	Keller Laurent	Fall	1	1.5
Advanced Topics in Industrial Organization	Montez Joao	Spring	4	6
Business Cycles	Bilbiie Florin	Spring	4	6
Economic Growth	Sakalli Seyhun Orcan	Spring	4	6
Game Theory	Santos Pinto Luis Pedro	Spring	4	6
International Macroeconomics	Bacchetta Philippe	Spring	4	6
Macroeconometrics	Renne Jean-Paul	Spring	4	6

## FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Microeconometrics	Maurer Jürgen	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6

## master of science in finance

Course	Faculty staff	Semester	H/W	C
Alternative Investments	Goyal Amit	Fall	4	6
Asset & Liability Management: Insurance and Pension Funds	Michoud Didier	Fall	2	3
Blockchain and Distributed Ledgers	Treccani Adrien	Fall	2	3
CFA Global Investment Research Challenge	Schuerhoff Norman	Fall	4	6
Corporate Finance (MScF)	Dimopoulos Theodosios	Fall	4	6
Datascience for Finance	Pierret Diane	Fall	5	6
Entrepreneurship and Strategy	Petty Jeffrey	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Financial Accounting	Demers Elizabeth	Fall	4	6
Financial Engineering Understanding Volatilities & Commodities	Kuklinski Jan	Fall	4	6
Investments	Goyal Amit	Fall	5	6
Market Microstructure	Neklyudov Artem	Fall	3	3
Mathematics for Economics and Finance	Schuerhoff Norman	Fall	5	6
Mergers, Acquisitions, and Corporate Restructurings	Nikolov Boris	Fall	4	6
Optimization Methods in Management Science	Oeuvery Rodrigue	Fall	4	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	4	6
Asset Pricing / LT Portfolio Mgt	Walden Johan	Spring	4	6
Derivatives	Steri Roberto	Spring	4	6
Empirical Methods in Finance	Jondeau Eric	Spring	4	6
Financial Analysis	vacat	Spring	4	6
Fixed Income and Credit Risk	Rockinger Michael	Spring	4	6
Quantitative Asset and Risk Management	Jondeau Eric	Spring	4	6
Real Estate Investments	Walden Johan	Spring	2	3
Simulation Methods in Finance and Insurance	vacat	Spring	2	3
Valuation	Walden Johan	Spring	4	6

## master of science in management

Course	Faculty staff	Semester	H/W	C
Behavioral Economics	Santos Pinto Luis Pedro	Fall	4	6
Behaviour Change Marketing for Public and Non-Profit Organisations	Bezeçon Valéry	Fall	2	3
Business and Human Rights	Baumann-Pauly Dorothée	Fall	2	3
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Competitive Strategy	Amer Maistriau Estefania	Fall	4	6
Conceptual Modelling for Business Analytics	Niemi Tapio	Fall	4	6
Data Analytics for Decision Making	Zuber Jacques	Fall	4	6
Digital Transformation in B to B	Lacoste Sylvie	Fall	2	3
Ecology and Evolution	Lehmann Laurent	Fall	4	6
Entrepreneurship and Strategy	Petty Jeffrey	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Forecasting	Orso Samuel	Fall	2	3
Global Marketing	Eckardt Thilo	Fall	2	3
Heuristic Decision Making Strategies	Marewski Julian	Fall	4	6
Innovation Law	Junod Valérie	Fall	2	3
Luxury Marketing	Geerts Angy	Fall	3	3
Machine Learning In Business Analytics	Boldi Marc-Olivier	Fall	4	6
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Marketing Science	Christen Markus	Fall	4	6
Optimization Methods in Management Science	Oeuvray Rodrigue	Fall	4	6
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Power and Leadership	Schmid Mast Marianne	Fall	4	6
Pricing Strategies	Mata José	Fall	4	6
Programming Tools in Data Science	Orso Samuel	Fall	4	6
Quantitative Methods for Management	Reboulleau Jérôme	Fall	4	6
Strategic Marketing	Lacoste Sylvie	Fall	4	6
Strategy and Development Modes	Castaner Xavier	Fall	4	6
Supply Chain Management and its Latest Trends	Hintsa Juha	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
Advanced Human Resources Management	Salamin Alain	Fall & Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent	Spring	2	6
Brand Management	Czellar Sandor	Spring	2	3

[6] COURSES TAUGHT IN ENGLISH 2018-2019

FACULTY OF BUSINESS AND ECONOMICS

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

master of science in actuarial science

Course	Faculty staff	Semester	H/W	C
Actuarial Modelling	Hashorva Enkelejd	Fall	4	6
Asset and Liability Management for Actuaries	Wagner Joël	Fall	4	6
Computational Tools for Actuaries	Zucchinetti Giovanni	Fall	4	6
Credibility Theory	Smith Nathaniel	Fall	4	3
Financial Accounting	Demers Elizabeth	Fall	4	6
Insurance Accounting	Maeder Philippe	Fall	2	3
Insurance Economics	Wagner Joël	Fall	2	3

## FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Investments	Goyal Amit	Fall	5	6
Life Contingencies II	Dufresne François	Fall	4	6
Life Insurance Actuarial Controlling	Maeder Philippe	Fall	2	3
Mathematics of Compound Interest	Arnold Séverine	Fall	2	3
Principles of Finance	Brisley Neil	Fall	4	6
Probability and Stochastic Processes	Albrecher Hansjoerg	Fall	4	6
Quantitative Methods for Actuaries	Gruetzner Guido	Fall	5	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Life Contingencies I	Dufresne François	Spring	4	6
Loss Models	vacat	Spring	4	6
Ratemaking and Claims Reserving	Trufin Julien	Spring	2	3
Risk Theory	Albrecher Hansjoerg	Spring	4	6
Social Insurance	Arnold Séverine	Spring	2	3
Time Series	vacat	Spring	2	3

## master of law in law and economics

Course	Faculty staff	Semester	H/W	C
Accounting and Financial Statement Analysis	Doukakis Leonidas	Fall	4	6
Accounting for Business Restructuring (M&A, Spin-offs)	Doukakis Leonidas	Fall	2	3
Advanced Financial Analysis	André Paul	Fall	2	3
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Earnings Management, Creative Accounting and Financial Scandals	Doukakis Leonidas	Fall	2	3
Econometrics	Pellizzari Michele	Fall	5	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
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

[8] COURSES TAUGHT IN ENGLISH 2018-2019

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Unethical Decision Making - Basics	Palazzo Guido	Fall	2	3
Advanced Group Accounting	André Paul	Spring	2	3
Financial Institutions & Regulation	Bruhin Adrian	Spring	4	6
Political and Institutional Economics	Saia Alessandro	Spring	4	6
Project Management & Outsourcing (MScM-MDE)	Bienz Pius V.	Spring	4	6

master of science in information systems

Course	Faculty staff	Semester	H/W	C
Business Model, Design and Innovation	Pigneur Yves	Fall	4	6
Data Mining (UNINE)	Ciorascu Iulian	Fall	4	6
Enterprise Systems Integration	Estier Thibault	Fall	4	6
Information Security & Privacy	Huguenin Kevin	Fall	2	6
Interaction Design	Cherubini Mauro	Fall	4	6
Probabilistic Algorithms (UNINE)	vacat	Fall	0	6
Analysis, Modeling and Design in IS	vacat	Spring	4	6
Emerging Distributed Architectures	vacat	Spring	2	6
Project Management & Outsourcing (MScIS)	Bienz Pius V.	Spring	4	6
Web-Scale Analytics	vacat	Spring	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
From Mutation to Gene Function	Farmer E.	Fall	2
Principles of Molecular Biophysics	Fasshauer D.	Fall	2
Molecular Evolution	Marques A.	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>Advanced Molecular, Cellular and Developmental Biology</b>			
Molecular Basis of Cancer	Thome M.	Spring	9
Cell Cycle, DNA Replication and Recombination	Mermod N., Stasiak A.	Spring	
Proteasome Degradation	Staub O., Fankhauser C.	Spring	
Evolution of Gene Expression	Robinson-Rechavi M.	Spring	
Circadian Clocks	Fankhauser C., Franken P.	Spring	
Introduction to Reading and Presentation of Scientific Literature	Benton R.	Spring	
Body Patterning	Benton R.	Spring	
Understanding & Interpretation of Scientific Literature	All teachers involved in the module	Spring	
<b>Genetics and Genome Evolution</b>			
Bioinformatics for Genomics	Robinson-Rechavi M.	Spring	9
Epigenetics	Gambetta M. C.	Spring	
Epistasis, Oligogenicity, Pleiotropy and beyond	van Leeuwen J.	Spring	
Evolution of Chromosomes	vacat	Spring	
Cancer Genetics	Ciriello G.	Spring	
Quantitative Genetics	Salamin N., Kutalik Z., Maurer F.	Spring	
Bacterial Genomes and Evolution	Greub G.	Spring	
Structural Genomics and Mutation	Reymond A.	Spring	

Course	Faculty Staff	Semester	C
<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	Martin S., Benton R.	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	
The Cellular Response to Protozoan Parasites Infection	Fasel N.	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	
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	Ciuffi A., Gouttenoire J.	Spring	
Practical Work : Introduction to Research	Reymond P.	Spring	
Journal Club	Reymond P., Sanglard D., Tacchini-Cottier F., Hauser P., Ciuffi A., Greub G., Keel C.	Spring	
<b>Optional courses BSc 2nd and 3rd year</b>			
Synthetic Biology : Programming Cells to do Amazing Things	Schaerli Y.	Fall	1
Plant Evolutionary Ecology	Sanders I.	Fall	1
Chemosensory Perception : from Genes to Behaviour	Benton R., Silbering A.F.	Fall	1
Sleep and Circadian Rhythms : from Molecules to Performance	Franken P.	Fall	1
Molecular Machines	Fasshauer D.	Spring	1

## GRADUATE COURSES

SCHOOL OF BIOLOGY

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
Advanced Data Analysis in Biology I	Robinson M.	Fall	2
Introduction into Scientific Writing	Waterhouse R.	Fall	2
Molecular Methods in Ecology and Evolution	Sanders I., Fumagalli L.	Fall	5
Advanced Data Analysis in Biology II	Robinson M.	Fall	2.5
Animal Communication and Parasitism	Christe P., Roulin A.	Fall	1.5
Phylogeography	Fumagalli L.	Fall	1.5
Population Genetics and Dynamics	Goudet J.	Fall	1.5
Problem-based Learning in Biological Models	Franken P.	Fall	3.5
Spatial Analysis and GIS in Ecology	Guisan A.	Fall	1.5
The Major Transitions in Evolution	Keller L.	Spring	1.5
Advanced Quantitative Genetics	Robinson M.	Spring	1.5
Applied Ecology	Pellet J.	Spring	3
Biological Invasions	Alexander J., Guisan A.	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
Plant Range Dynamics and Global Change	Randin C.	Spring	1.5
Predictive Models of Species' Distribution	Guisan A.	Spring	3
Scientific Mediation and Communication - Museum Module	Sartori M., Glaizot O.	Spring	3
Social Evolution : from Genes to 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., Rivolta C., Engel P., tutors	Fall	3
Write a Review	Benton R., Sohrmann M., tutors	Fall	4
Biotechnology	Poirier Y., Mermod N.	Fall	1.5
Development of the Nervous System	Braissant O.	Fall	1.5
Human Molecular Genetics	Rivolta C.	Fall	1.5
Molecular Mechanisms of Evolution	Benton R., Geldner N.	Fall	1.5
Plant Functional Genetics	Poirier Y.	Fall	1.5
Case Studies in Bioinformatics	Bergmann S., others	Fall	2.5
Programming for Bioinformatics	Salamin N.	Fall	2
Advanced Microbial Genetics	Collier J., Pelet S.	Fall	1.5
Bacterial Genomes and Genome Evolution	van der Meer J.	Fall	1.5
Fungal Virulence and Pathogenicity	Sanglard D., Lamoth F., Hauser P.	Fall	1.5
Immunology with Relevance to Infectious Diseases	Roger T., Perreau M., Di Domizio J.	Fall	1.5
Plant Interactions with Microbes and Insects	Keel C., Reymond P.	Fall	1.5
Virus-Host Interactions	Kunz S., Gouttenoire J.	Fall	1.5
Sequence a Genome II	van der Meer J., Engel P., Rivolta C., tutors	Spring	3
Write a Fellowship	Benton R., tutors	Spring	3
Genomics, Proteomics and Quantitative Genetics	Franken P., Tafti M., Quadroni M., Harshman K., 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., Rivolta C.	Spring	1.5
Advanced Population Genetics	Malaspinas A.-S.	Spring	3
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., Meylan P., Sanglard D., Senn L.	Spring	1.5
Microbes as Tools in Experimental Biology	Sanglard D., Ciuffi A.	Spring	1.5

<b>Course</b>	<b>Faculty staff</b>	<b>Semester</b>	<b>C</b>
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
<b>Foundations in environmental science</b>			
Introduction to environmental systems analysis	Grégoire Mariéthoz	Fall	4
Applications of environmental science seminar series	Nathalie Chèvre, Marc-Henri Derron, Niklas Linde	Fall	2
Research methods and project design	Stuart Lane	Fall & Spring	4
<b>Environmental data and systems analysis</b>			
Environmental time-series analysis	James Irving	Fall	4
Remote sensing of Earth Systems	Marc-Henri Derron, Stuart Lane, Grégoire Mariéthoz, François Mettra	Fall	5
Environmental data mining	Mikhail Kanevski	Spring	5
Model parameter estimation and uncertainty quantification	Niklas Linde	Spring	5
Geostatistics and GIS	Mikhail Kanevski	Spring	5
Scientific computing	Yury Podladchikov	Fall	5
<b>Orientation Aquatic science</b>			
Fluid flow and transport in the subsurface	Pietro De Anna	Fall	5
Environmental chemistry and toxicology	Nathalie Chèvre, Jasquelin Pena, Torsten Vennemann	Fall	5
Tracing biogeochemical processes and fluxes using isotope analysis	Torsten Vennemann	Fall	2
Aquatic ecosystems: glaciers, rivers, and lakes	François Mettra, Marie-Elodie Perga	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
<b>Orientation Natural hazards and risk</b>			
Advanced quantitative risk and vulnerability	Michel Jaboyedoff	Fall	3
Communication on environmental risks	Michel Jaboyedoff	Fall	3

Course	Faculty staff	Semester	C
Monitoring techniques for slope dynamics	Marc-Henri Derron	Fall	5
Erosion and slope movements	Michel Jaboyedoff	Spring	5
Flood risk modeling	François Mettra	Spring	5
Hazards and risks of slope mass movements: field camp	Marc-Henri Derron, Michel Jaboyedoff	Spring	5
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 interpretation (Petrel and Kingdom)	Moscariello A.	Fall	3
Advanced ore deposits	Fontboté L., K. Kouzmanov, M. Chiaradia, R. Moritz	Fall	4
Advanced quantitative risk and vulnerability	Jaboyedoff M.	Fall	3
Alpine Structural Geology	Epard J.L.	Fall	3
Basin research	Simpson G., A. Moscariello	Fall	6
Biom mineralization	Meibom A.	Fall	4
Borehole logging and rock physics	Quintal B, A. Moscariello	Fall	6
Communication on environmental risks	Jaboyedoff M., K. Sudmeier-Rieux, S. Rondic	Fall	3
Electron probe microanalyzer	Bussy F., M. Robyr	Fall	1
Fluid inclusions	Moritz R.	Fall	1.5
Gemmology - Field *	Cartier L.	Fall	1
Geophysics across scales for geologists	Hetényi G., B. Quintal, M. Lupi	Fall	3
Introduction to data analysis with Matlab	Simpson G.	Fall	1
Introduction to geothermics	Miller S.	Fall	2
Introduction to hydrogeology and hydrology	Brunner Ph.	Fall	3
Introduction to inductively-coupled plasma mass-spectrometry	Ulyanov A.	Fall	1
Laboratory techniques in geochemistry	Schaltegger U., M. Ovtcharova	Fall	0.5
Low-temperature alteration in the Upper Crust	Schmidt S.	Fall	1.5
Matlab as a language of scientific computing	Podladchikov Y.	Fall	3
Ore microscopy	Fontboté L., K.Kouzmanov	Fall	2
Palaeogeography, Palaeoclimatology, Palaeoecology	R. Martini, Samankassou E., T. Adatte, D. Ariztegui, K. Föllmi, J. Spangenberg, T. Vennemann	Fall	6

## FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
Petrological processes in geodynamic environments	Schaltegger U., O. Müntener, S. Pilet, L. Caricchi, L. Baumgartner, S. Schmalholz, L. Fontboté	Fall	9
Physics as a basis for modeling	Podladchikov Y.	Fall	2
PoroPerm and QemScan	Moscariello A.	Fall	0.5
Quantitative tectonics / Tectonique quantitative	Schmalholz S.	Fall	4
Scanning Electron Microscopy	Vonlanthen P.	Fall	1
Sedimentary laboratory techniques	Weinkauf M., P. Kindler	Fall	0.5
Volcanic rocks *	Pioli L., C. Bonadonna	Fall	2
Depositional environments and sedimentary processes from source to sink	Castelltort S.	Fall & Spring	3
3D static geological modelling - Petrel and Eclypse	Moscariello A. et collaborateurs	Spring	3
Advanced ore deposits II	Fontboté L., K. Kouzmanov, M. Chiaradia, R. Moritz	Spring	2
Alpine tectonics, field camp	Epard J.L.	Spring	3
Applied mineralogy	Vennemann T., B. Putlitz	Spring	2
Carbonate reservoirs / Réservoirs carbonatés	Moscariello A., B. Caline	Spring	3
Cartographic data management and landslide susceptibility assessment	Sartori M., C. Frischknecht	Spring	3
Clastic reservoirs	Moscariello A.	Spring	3
Erosion and slope movements	Jaboyedoff M.	Spring	4
Fluids in the Earth crust	Baumgartner L.	Spring	2
From play evaluation to field development	Moscariello A.	Spring	3
Gemmology	Cartier L.	Spring	2
Geology of clays	Adatte Th.	Spring	1.5
Hazards and risks of slope mass movements: field camp I *	Derron M.H., M. Jaboyedoff	Spring	2
Hazards and risks of slope mass movements: field camp II *	Derron M.H., M. Jaboyedoff	Spring	3
Imperial Barrel Award (AAPG)	Moscariello A. (coordinateur)	Spring	6
Initiation to the ion probe	Bouvier A.S., A. Meibom	Spring	0.5
Integrated basin analysis	Moscariello A., E. Samankassou, M. Lupi et collègues	Spring	6
Introduction to fluid flow for geologists	Lupi M., L. Pioli et collègue	Spring	6
Main fieldtrips	Caricchi L. - K. Kouzmanov	Spring	4
Marine seismic acquisition, interpretation and data integration	Ariztegui D.	Spring	3
Microtectonics	Robyr M., S. Schmalholz	Spring	2



## FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
Microtomography	Baumgartner L.	Spring	0.5
Mining geophysics	Irving J.	Spring	1
Optical cathodoluminescence	Martini R.	Spring	0.5
Organic geochemistry	Spangenberg J.	Spring	3
Physics and structure of minerals	Müntener O.	Spring	1
Reading rocks - Rock textures and fluids	Kouzmanov K.	Spring	1
Risk management	Menoni S., C. Gregg, F. Romerio et enseignants du CERG-C	Spring	6
Seismic risk	Fäh D., B. Duvernay	Spring	3
SPACE-GEOENERGY: Geomatics and geo-energy	Moscariello A., J. Simantov	Spring	3
Spatial risk assessment	Frischknecht C., P. Peduzzi, B. Chatenoux	Spring	3
Stable and radiogenic isotope geochemistry	Chiaradia M., E. Samankassou, U. Schaltegger, R. Spikings, T. Vennemann	Spring	6
Syn-tectonic granite emplacement and vein formation - Cévennes, France	Kouzmanov K., A. Chauvet	Spring	3
Volcanic risk	Bonadonna C. et enseignants du CERG-C	Spring	3
Volcano fieldtrip *	Caricchi L., C. Bonadonna, S. Pilet, L. Pioli	Spring	2
Volcano petrology *	Caricchi L., S. Pilet	Spring	2

## other graduate courses

Course	Faculty staff	Semester	C
Thinking cities, building cities	M. Müller	Fall	3
Analysis, visualization and simulation of networks	C. Rozenblat	Spring	6
Environmental management and livelihoods	C. Kull	Spring	5
Uncertainty, improvisation and tactical urbanism	M. Müller	Spring	3
Mountain streams : ecological processes and management	S. Lane	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

C

ECTS Credits

Course	Faculty staff	Semester	C
African American Modernism (Harlem Renaissance)	A. Iatsenko	Fall	4
American Perspectives I	B. Vejdovsky	Fall	4
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Fall	2
Anglo-American Literary Survey III	B. Vejdovsky	Fall	2
Encounter : Fabliau, Bourde, and Merry Jest: Early Comic Writing in England	R. Critten	Fall	4
Encounter : The Lady, the Saint, and the Hermit: Romance and Hagiography in Late Medieval Literature	D. Renevey	Fall	4
English Composition	E. Steiner, J. Thorburn	Fall	4
English Renaissance Drama	K. Curran	Fall	4
Exploration : Bad Romance : The Breton Lay in Medieval England	R. Critten	Fall	4
Exploration : Female Voices, Female Words in Medieval English Literature	D. Renevey	Fall	4
Exploration : In Bed with Geoffrey Chaucer: The Dream Vision Poems	R. Critten	Fall	4
Exploration : Introduction to Old English, Heroism in Anglo-Saxon England	J. Vuille	Fall	4
Fabulous Orient	E. Steiner	Fall	4
Introduction to English language and linguistics (IELL)	Various professors	Fall	3
Introduction to Gender Studies : 18 to 19th century	V. Cossy	Fall	4
Introduction to Literary Analysis	Various professors	Fall	6
Introduction to Old Irish	M. Ronan	Fall	4
Lewis Carroll's Alice's Adventures in Wonderland and Through the Looking-Glass and its Reception Across Media	M. Hennard Dutheil	Fall	4
Linguistics : The Sociolinguistics of Cyberspace	J. Thorburn	Fall	4
Linguistics : Working with language and ideology: How to (critically) analyse metalinguistic discourse	C. Neuenschwander	Fall	4
Literary Analysis : Charlotte Lennox, The Female Quixote	V. Cossy	Fall	3

## FACULTY OF ARTS

Course	Faculty staff	Semester	C
Literary Analysis : Exploring Lyric Poetry from Shakespeare to the Present	R. Sellars	Fall	3
Literary Analysis : George Etherege's The Man of Mode	K. Curran	Fall	3
Literary Analysis : Othello	A. Bevan Zlatar	Fall	3
Literary Analysis : Shakespeare Through Performance : Much Ado About Nothing and King Lear	K. Curran	Fall	3
Literary Analysis : Toni Morrison	A. Iatsenko	Fall	3
Literary Analysis : Wordsworth and Coleridge : Lyrical Ballads	P. Lindholm	Fall	3
Literature and Capitalism : 1776-1929	B. Pickford	Fall	4
Synchronic Linguistics: Introduction to Multilingualism in Society	M. Garrido Sardà	Fall	3
Synchronic Linguistics: Introduction to Pidgin and Creole Studies	C. Neuenschwander	Fall	3
The Development of the English Language	A. Auer	Fall	1
African American Literature	A. Soltysik Monnet	Spring	4
American Perspectives II : American Captivity Narratives	S. Ludwig	Spring	4
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Spring	2
British Romantic Poetry	P. Lindholm	Spring	4
Encounter : "It's a Woman's World": The Ancrene Wisse Group	J. Vuille	Spring	4
Encounter : From King's Lynn to India via the Holy Land: John Mandeville and Margery Kempe as Travel Writers	D. Renevey	Spring	4
English Composition	E. Steiner, J. Thorburn	Spring	4
Exploration : In Bed Without Geoffrey Chaucer: The Dream Vision Poem in the Fifteenth Century	R. Critten	Spring	4
Exploration : Medieval English Theatre	C. Marshall	Spring	4
Exploration : Violence and Love in Arthurian Literature: Marlow's Morte Darthur and the Antecedent Arthurian Tradition in England	D. Renevey	Spring	4
Introduction to English language and linguistics (IELL)	Various professors	Spring	3
Introduction to Gender Studies : 20th to 21st Century	V. Cossy	Spring	4
Introduction to Literary Analysis	Various professors	Spring	6
Lecture. Discovery: Medieval English	D. Renevey	Spring	1
Linguistics	M. Ronan	Spring	4
Linguistics : Institutional Multilingualism	M. Garrido Sardà	Spring	4
Linguistics : Psycholinguistics	A. Auer	Spring	4
Literary Analysis : American Literature - to be specified	A. Soltysik Monnet	Spring	3
Literary Analysis : Comparative Literature (2nd year)	M. Hennard Dutheil	Spring	3
Literary Analysis : Louise Erdrich's The Round House	A. Soltysik Monnet	Spring	3
Literary Analysis : Margaret Atwood's Short Stories	K. Stirling	Spring	3
Literary Analysis : O. Wilde, Salomé/Salome	M. Hennard Dutheil	Spring	3

## FACULTY OF ARTS

Course	Faculty staff	Semester	C
Literary Analysis : Shakespeare's Sonnets	K. Curran	Spring	3
Literary Analysis : Their Eyes Were Watching God (Hurston) or Whitman and Dickinson	A. Soltysik Monnet	Spring	3
Modernist Women's Erotic Writing	K. Curran	Spring	4
Scotland: A Nation in Literature	K. Stirling	Spring	4
Shakespeare's Theater	K. Curran	Spring	4
Synchronic Linguistics: English Dialects Past and Present	A. Auer	Spring	3
Synchronic Linguistics: Introduction to Sociolinguistics	J. Thorburn	Spring	3
Synchronic Linguistics: Language History and Language Change	A. Auer	Spring	3
Workshop. Discovery: Medieval English	Various professors	Spring	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)

## master of arts, english department

key

C

ECTS Credits

Course	Faculty staff	Semester	C
Activity related to the new studies U.S.	A. Soltysik Monnet	Fall	3
Chaucer's Ovid and the Ovidian Chaucer	J. Vuille	Fall	5
Elizabeth Bishop & Robert Lowell: The Poetics of Geography and History	B. Vejdovsky	Fall	5
Experiments in Theater, 1950 to the Present	K. Curran	Fall	5
Furs, Claws, Hide, Bark: Non-human Life Forms in Old and Middle English Literature	D. Renevey	Fall	5
Germaine de Staël and Jane Austen: why they did not understand one another	V. Cossy	Fall	5
Introduction aux approches critiques	B. Pickford, B. Vejdovsky	Fall	5
Introduction to New American Studies	A. Soltysik Monnet	Fall	5
Introduction to Old Irish	M. Ronan	Fall	4
Language and Migration	A. Auer	Fall	5
Language and work : An ethnographic sociolinguistic perspective	M. Garrido Sardà	Fall	5
Milton's Paradise Lost	R. Sellars	Fall	5
New American Studies : Final Colloquium	A. Soltysik Monnet	Fall	2
Participation in scientific conference	A. Soltysik Monnet	Fall	3
Postcolonial Relations	E. Steiner	Fall	5

## FACULTY OF ARTS

<b>Course</b>	<b>Faculty staff</b>	<b>Semester</b>	<b>C</b>
The Development of the English Language	A. Auer	Fall	1
Translating Children's Literature - Traduire la littérature jeunesse - Kinderliteratur übersetzen	M. Hennard Dutheil, I. Weber Henking	Fall	3
Activity related to the new studies U.S.	A. Soltysik Monnet	Spring	3
American Countercultures	C. Arnsperger, A. Soltysik Monnet	Spring	5
Asian American Literature	S. Ludwig	Spring	5
Environmental Crisis and Societal Change: Discourse, Effects, Solution.	G. Palazzo, B. Vejdovsky	Spring	5
Language in Switzerland	J. Thorburn	Spring	5
Language Recovery after a Stroke	J. Schwyter	Spring	5
Linguistics	M. Ronan	Spring	4
New American Studies : Final Colloquium	A. Soltysik Monnet	Spring	2
Participation in scientific conference	A. Soltysik Monnet	Spring	3
Renaissance Theatricality	K. Curran	Spring	5
Research Methodologies	K. Stirling	Spring	5
Romanticism, Environment and Location (Lausanne et Lancaster)	E. Steiner	Spring	5
Synchronic Linguistics: Language History and Language Change	A. Auer	Spring	3
The Idea of Home in Late Medieval English Writing	R. Critten	Spring	5
The Politics of Language	A. Auer	Spring	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="#">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
Fiscal Federalism and Equalization	Marko Köthenbürger	Fall	3
Fiscal Policy	Nils Soguel	Fall	3
Informal International Law-Making	Ayelet Berman	Fall	3
Introduction to applied econometrics	Christopher Grigoriou	Fall	3
Managing regulation in modern government	Lorenzo Allio	Fall	3
Regulatory Economics (IDHEAP)	Christian Thoeni	Fall	3
Territorial Organisation and Allocation of Tasks: Challenges and Reforms	Andreas Ladner	Fall	3
Transforming social welfare institutions	Giuliano Bonoli	Fall	3
Transnational Private Regulation	Christian Ewert	Fall	3
Internationalisation of Public Policies	Flavia Jurje	Spring	3
Policy Evaluation	Pirmin Bundi	Spring	3
Research Methods	Tobias Mettler	Spring	6

### master of Law

Course	Faculty staff	Semester	C
Microeconomics & Game Theory	C. Thoeni	Fall	6
Advanced International Law & Its Relations with Domestic Legal Systems	E. Schmid	Spring	3

[24] COURSES TAUGHT IN ENGLISH 2018-2019

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
Contract Drafting	E. Lein	Spring	3
International Human Rights Law	E. Schmid	Spring	6