



UNIL | Université de Lausanne

COURSES TAUGHT IN ENGLISH OPEN TO EXCHANGE STUDENTS

academic year 2021-2022

CONTENTS



Faculty of Business and Economics	[2]
School of Biology	[10]
Faculty of Geosciences and Environment	[15]
Faculty of Arts	[19]
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

bachelor of science in economics, bachelor of science in management

key
H/W Hours per week
C ECTS Credits

Course	Faculty staff	Semester	H/W	C
B-to-B Marketing	Christen Markus	Fall	4	6
Consolidated Financial Statements and External Control	Bytyqi B., Dousse Vincent	Fall	4	4.5
Digital Business Processes and Enterprise Systems	Legner Christine	Fall	4	6
Essentials and toolbox for future innovators	Headon Anne	Fall	2	3
Information Systems	Mueller Benjamin, Pillet Jean-Charles	Fall	2	3
Introduction to Business Ethics	Gruban M.	Fall	2	3
Microeconomics II	Klaus Bettina	Fall	4	6
Organizational soft-skills : From presentation techniques to group management	Marewski Julian	Fall	2	3
Personal Development	Bekbergenova Anely	Fall	2	3
Quantitative Macroeconomics	Tischbirek Andreas	Fall	2	3
Retailing / E-Commerce	Hervert Guillaume	Fall	4	6
Strategic Foresight	Rizzo Gabriele	Fall	2	3
Theater Skills for Management	Spencer James	Fall	2	3
Consumer Behaviour	Petersen Francine	Spring	4	6
Corporate Sustainability : The Environmental Perspective	Ionescu Aileen	Spring	2	3
Economics of Health and Healthcare	Maurer Jurgen	Spring	4	6
Entrepreneurial finance and the new venture funding process	Petty Jeffrey	Spring	3	6
How Technology Shapes The Workplace of the Future (EPFL)	Lalive Rafael	Spring	2	3
Integrated Marketing Communication	Schlager Tobias	Spring	2	3
International Money and Finance	Bacchetta Philippe, Davenport Margaret	Spring	4	6
International Trade and European Integration	Milet Emmanuel	Spring	4	6
Introduction to Financial Statement Analysis and Reporting	Markarian Garen	Spring	2	3
Introduction to Negotiations	Efferson Charles	Spring	2	3
Judgment and Decision Making	Hoffrage Ulrich	Spring	2	3

Course	Faculty staff	Semester	H/W	C
Managing the Digital Economy	Peukert Christian	Spring	2	3
Market Design and the Economics of Asymmetric Information	Hakimov Rustamdjan, Santos Pinto Luís	Spring	4	6
Marketing Research	Czellar Sandor	Spring	4	6
Microeconomic analysis	Montez Joao	Spring	4	6
Operations Management I	De Treville Suzanne, Weiss Jordi	Spring	2	3
Practical Operations Management	Hameri Ari-Pekka	Spring	4	6
Psychological Foundations of Economics	De Saint Priest Oriana, Laferrière Vincent	Spring	4	6
Seminar: Judgment and Decision Making	Hoffrage Ulrich	Spring	2	3
Service Operations Management	Iunius Ray	Spring	2	3

key

H/W Hours per week

C ECTS Credits

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

master of science in economics

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, Rotesi Tiziano	Fall	4	6
Dynamic Macroeconomic Models	Brumm Johannes	Fall	4	6
Econometrics	Huber Martin	Fall	5	7.5
Economic Analysis and Communication	Montez Joao	Fall	4	6
Economic forecasting for decision making	Grobéty Mathieu	Fall	4	6
Economic Policy Seminar	Benghalem Hélène, Maurer Jürgen	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Genes, Population and Evolution	Lehmann Laurent	Fall	4	6
Health Economics	Maurer Jürgen, Dusheiko Mark	Fall	4	6
Human Behavior and Evolutionary Inference	Efferson Charles	Fall	4	6
International Trade	Milet Emmanuel	Fall	4	6
Labor Economics and Policy	Lalive Rafael	Fall	2	3
Leadership Development	Bendahan Samuel	Fall	2	3
Macro Finance	St-Amour Pascal	Fall	2	3
Macroeconomic Policy	Benhima Kenza	Fall	4	6

(4) COURSES TAUGHT IN ENGLISH 2021-2022

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Macroeconomics	Coulibaly Dramane	Fall	5	7.5
Mathematics for Economic Policy	Gallo Oihane	Fall	1	1.5
Mathematics for Economics and Finance	Schürhoff Norman	Fall	4	6
Microeconomics	Klaus Bettina	Fall	5	7.5
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Advanced Programming	Scheidegger Simon	Spring	4	6
Advanced Topics in Industrial Organization (ATIO)	Strimbu Octavian	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent, Santos Pinto Luis	Spring	4	6
Business Cycles	Bilbiie Florin	Spring	4	6
Economic Growth	Bonadio B, Rotesi Tiziano	Spring	4	6
Environmental Economics	Di Falco Salvatore	Spring	2	3
Financial Institutions & Regulation	Bruhin Adrian	Spring	4	6
Game Theory	Klaus Bettina, Santos Pinto Luis	Spring	4	6
International Macroeconomics	Bacchetta Philippe	Spring	4	6
Microeconometrics	Renne Jean-Paul	Spring	2	3
Political and Institutional Economics	Rohner Dominic, Saia Alessandro	Spring	4	6
Public Economics	Terrier Camille, Fourati Maleke	Spring	4	6

master of science in finance

Course	Faculty staff	Semester	H/W	C
Alternative Investments	Cho Thomas Kyung-Ha	Fall	4	6
Blockchain and Distributed Ledgers	Zaramba Robert	Fall	2	3
CFA General Research Challenge	Schuerhoff Norman	Fall	4	6
Corporate Finance	Dimopoulos Theodosios	Fall	4	6
Datascience for Finance	Zhao Ziwei	Fall	4	6
Entrepreneurship & Strategy	Tsukanova Tatyana	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Financial Accounting	Markarian Garian	Fall	4	6
Financial Institution	Mihet Roxana	Fall	2	3
International Finance	Zhao Ziwei	Fall	4	6
Investments	Goyal Amit	Fall	4	6
Market Microstructure	Mihet Roxana	Fall	2	3
Mathematics for Economics and Finance	Schürhoff Norman	Fall	4	6
Mergers & Acquisitions, and Corporate Restructurings	Grognez Cédric	Fall	4	6
Optimization Methods in Management Science	Oeuvray Rodrigue	Fall	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
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, Palazzo Guido	Fall	2	3
Unethical Decision Making - Basics	Hoffrage Ulrich, Palazzo Guido	Fall	2	3
Advanced Data Analysis	Scheidegger Simon	Spring	4	6
Asset Pricing	Bretscher Lorenzo	Spring	4	6
Derivatives	Bretscher Lorenzo	Spring	5	6
Empirical Methods in Finance	Jondeau Eric	Spring	4	6
Financial Analysis	Froidevaux Julien	Spring	4	6
Fixed Income and Credit Risk	Rockinger Michael	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6
Quantitative Asset and Risk Management	Jondeau Eric	Spring	4	6
Real Estate Investments	Celentano F	Spring	2	3
Valuation	Valta Philip	Spring	4	6

master of science in management

Course	Faculty staff	Semester	H/W	C
Algorithms for Business Intelligence and Digital Marketing	Vuillon Laurent	Fall	2	3
Behavioral Economics	Santos Pinto Luis Pedro	Fall	4	6
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Business Case in Marketing	Uhlmann Vincent	Fall	4	6
Business Model and Human Rights	Jasinenko Anna	Fall	2	3
Competitive Strategy	Amer Maistriau Estefania	Fall	4	6
Consumer Psychology	Petersen Francine	Fall	4	6
Data Science for Marketing	Schlager Tobias	Fall	4	6
Data Science in Business Analytics	Vatter Thibault	Fall	4	6
Digitalisation of Purchasing and B to B Sales	Lacoste Sylvie	Fall	2	3
Entrepreneurship & Strategy	Tsukanova Tatyana	Fall	4	6
Entrepreneurship, Innovation and Control Systems	Davila Antonio	Fall	2	3
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Fraud and Business Process Analytics	Baumgartner Marcel	Fall	2	3
Genes, Population and Evolution	Lehmann Laurent	Fall	4	6
Global Marketing	Eckardt Thilo	Fall	2	3
Heuristic Decision Making Strategy	Marewski Julian	Fall	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Human Behavior and Evolutionary Inference	Efferson Charles	Fall	4	6
Individual Behavior in the Digital Environment	Schlager Tobias	Fall	4	6
Integrated Marketing Communications	Hervet Guillaume	Fall	4	6
Leadership Development	Bendahan Samuel	Fall	2	3
Luxury Marketing	Morhart Felicitas	Fall	4	6
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Marketing Science	Vacat	Fall	4	6
Optimization Methods in Management Science	Oeuvray Rodrigue	Fall	4	6
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Production Control	Gallay Olivier	Fall	2	3
Programming Tools in Data Science	Orso Samuel	Fall	4	6
Quantitative Methods for Management	Rebouleau Jérôme	Fall	4	6
Risk Analytics	Chavez Valérie	Fall	2	3
Strategic Management Control Systems	Davila Antonio, Derchi Giovanni-Battista	Fall	4	6
Strategic Marketing	Christen Markus	Fall	4	6
Legal International Strategies I	Steinmann Thomas	Fall	2	3
Legal International Strategies II	Steinmann Thomas	Fall	2	3
Strategy and Development Modes	Castaner Xavier	Fall	4	6
Strategy in Digital Markets	Peukert Christian	Fall	4	6
Supply Chain Management and its Latest Trends	Hameri Ari-Pekka	Fall	4	6
Text Mining	Boldi Marc-Olivier	Fall	4	6
Unethical Decision Making - Advanced	Hoffrage Ulrich, Palazzo Guido	Fall	2	3
Unethical Decision Making - Basics	Hoffrage Ulrich, Palazzo Guido	Fall	2	3
Advanced Data Analysis	Scheidegger Simon	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent, Santos Pinto Luis	Spring	4	6
Brand Management	Dabrowska-Leszczynka Agnieszka	Spring	2	3
Competitive Advantage & Strategic Interactions	Conti Annamaria	Spring	4	6
Customer Relationship Management	Christen Markus	Spring	4	6
Deep Learning	Rudnytskyi Igor	Spring	2	3
Distribution Management	Eckardt Thilo	Spring	4	6
Environmental Crisis and Societal Changes	Palazzo Guido, Vedjovsky Boris	Spring	2	3
Environmental Economics	Di Falco Salvatore	Spring	2	3
Evidence-Based Management	Dietz Jörg	Spring	4	6
Forecasting 1	Baumgartner Marcel	Spring	2	3
Forecasting 2	Chavez Valérie	Spring	2	3

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Group Processes	Krings Franciska	Spring	4	6
International Strategy	Khan Umair	Spring	4	6
Machine Learning in Business Analytics	Boldi Marc-Olivier	Spring	4	6
Managing People : Organizational Design, Change, and Performance	Dietz Jörg	Spring	4	6
Negotiations	Efferson Charles	Spring	4	6
New Trends in Product Innovation	Leclerc Fabrice	Spring	2	3
Power and Leadership	Tur Benjamin	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6
Project Management & Outsourcing in a Digital Era	Bienz Pius	Spring	4	6
Simple Rules for Leadership and Strategy: a Practical Approach	Marewski Julian	Spring	4	6
Social Media (EPFL): max 15 students, from Marketing only	Gillet Denis	Spring	2	3
Social Well Being	Petersen Francine	Spring	4	6
Strategic Modelling	van Ackere Ann	Spring	6	6
Strategy of Innovation	Conti Annamaria	Spring	4	6
Supply-Chain Analytics	De Treville Suzanne	Spring	4	6
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3
Sustainable Logistics	Gallay Olivier	Spring	4	6
The Management of Risk, Reputation and Legitimacy	Haack Patrick	Spring	4	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 Joel	Fall	4	6
Blockchain and Distributed Ledgers	Zaramba Robert	Fall	2	3
Computational Tools for Actuaries	Zucchinetti Giovanni	Fall	4	6
Credibility Theory	Smith Nathaniel	Fall	4	3
Financial Accounting	Markarian Garian	Fall	4	6
Insurance Analytics	Hieber Peter	Fall	2	3
Insurance Economics	Wagner Joël	Fall	2	3
Investments	Goyal Amit	Fall	4	6
Life Contingencies II	Hieber Peter	Fall	4	6
Life Insurance Actuarial Controlling	Darbellay Christine	Fall	2	3
Mathematics of Compound Interest	Arnold Séverine	Fall	2	3
Principles of Finance	Goyal Amit	Fall	4	6
Probability and Stochastic Processes	Bladt Martin	Fall	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Quantitative Methods for Actuaries	Loisel Stéphane	Fall	4	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Life Contingencies I	Dufresne François	Spring	4	6
Loss Models	Hashorva Enkelejd	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6
Ratemaking and Claims Reserving	Trufin Julien	Spring	2	3
Risk Theory	Albrecher Hansjoerg	Spring	4	6
Simulation Methods in Finance and Insurance	Tamraz Maissa	Spring	2	3
Social Insurance	Arnold Séverine	Spring	2	3
Time Series	Hashorva Enkelejd	Spring	2	3

Master of Law in Law and Economics

Course	Faculty staff	Semester	H/W	C
Advanced Group Accounting	André Paul	Fall	2	3
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Econometrics	Huber Martin	Fall	5	7.5
Empirical Methods for Lawyers	Thoeni Christian	Fall	4	6
Entrepreneurship, Innovation and Control Systems	Davila Antonio	Fall	2	3
Finance Ethics	Fiole Eelco	Fall	2	3
Individual Behavior in the Digital Environment	Schlager Tobias	Fall	4	6
International Tax Policy	Danon Robert	Fall	2	3
Leadership Development	Bendahan Samuel	Fall	2	3
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Microeconomics & Game Theory	Thoeni Christian	Fall	4	6
Legal International Strategies I	Steinmann Thomas	Fall	2	3
Legal International Strategies II	Steinmann Thomas	Fall	2	3
Taxation of Multinational Enterprises and Transfer Pricing Policy	Chand Vikram	Fall	4	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Unethical Decision Making - Advanced	Hoffrage Ulrich, Palazzo Guido	Fall	2	3
Unethical Decision Making - Basics	Hoffrage Ulrich, Palazzo Guido	Fall	2	3
Advanced Financial Analysis	André Paul	Spring	2	3
Digitalisation and Taxation	Chand Vikram	Spring	2	3
Environmental Crisis and Societal Changes	Palazzo Guido, Vedjovsky Boris	Spring	2	3
Financial Institutions & Regulation	Bruhin Adrian	Spring	4	6
Innovation Law	Junod Valérie	Spring	2	3

Course	Faculty staff	Semester	H/W	C
International and European Tax Law	Chand Vikram	Spring	4	6
International Strategy	Khan Umair	Spring	4	6
New Trends in Product Innovation	Leclerc Fabrice	Spring	2	3
Political and Institutional Economics	Rohner Dominic, Saia Alessandro	Spring	4	6
Power and Leadership	Tur Benjamin	Spring	4	6
Project Management & Outsourcing in a Digital Era	Bienz Pius	Spring	4	6
Simple Rules for Leadership and Strategy: a Practical Approach	Marewski Julian	Spring	4	6
Strategy of Innovation	Conti Annamaria	Spring	4	6
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3
The Management of Risk, Reputation and Legitimacy	Haack Patrick	Spring	4	6

master of science in information systems

Course	Faculty staff	Semester	H/W	C
Business Model and Innovation Design	Avdiji Hazbi, Wicht Pascal	Fall	4	6
Data Mining and Machine Learning	Vlachos Michalis	Fall	4	6
Design for Sustainability	Laperrouza Marc, Estier Thibault	Fall	4	6
Enterprise Data and Integration	Estier Thibault	Fall	4	6
Information Security & Privacy	Huguenin Kévin	Fall	4	6
Interaction Design	Cherubini Mauro	Fall	4	6
Software Architectures	Garbinato Benoît	Fall	4	6
Big-scale Analytics	Vlachos Michalis	Spring	4	6
Business and IS Architecture Design	Legner Christine	Spring	4	6
Digital Innovation	Mueller Benjamin	Spring	4	6
Project Management & Outsourcing	Bienz Pius	Spring	4	6
Introduction to research seminar : Computer Science research methodology	Garbinato Benoît ; Huguenin Kévin	Spring	2	3
Introduction to research seminar 1 : Qualitative research and Design Science research	Missonier Stéphanie, Legner Christine	Spring	2	3
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3

SCHOOL OF BIOLOGY

UNDERGRADUATE COURSES

A more detailed description of the course is available on www.unil.ch/programmes

key

C

ECTS Credits

bachelor of science in biology

Course	Faculty Staff	Semester	C
BSc 3rd year			
From Mutation to Gene Function	Farmer E.	Fall	2
Molecular Evolution	Robinson-Rechavi M.	Fall	2
Multivariate Analysis	Kutalik Z.	Fall	2
Population Biology and Conservation	Wedekind C.	Fall	2,5
Practical Work in Molecular Biology, Center for Integrative Genomics	Marquis J., Weber J.	Fall	8
Principles of Molecular Biophysics	Fasshauer D.	Fall	2
Optional courses BSc 2nd and 3rd year			
Chemosensory Perception : from Genes to Behaviour	Benton R.	Fall	1
Plant Evolutionary Ecology	Sanders I.	Fall	1
Sleep and Circadian Rhythms : from Molecules to Performance	Franken P.	Fall	1
Case Studies in Conservation Biology	Wedekind C.	Spring	1
Design and Build a Synthetic Biological System I (iGEM Project)	Schaerli Y.	Spring	2
Introduction to Analytics of Plant Metabolites	Nawrath C.	Spring	1
Molecular Machines	Fasshauer D.	Spring	1
Advanced Molecular, Cellular and Developmental Biology			
Body Patterning	Benton R.	Spring	9
Cell Cycle, DNA Replication and Recombination	Gruber S., Pelet S.	Spring	
Circadian Clocks	Fankhauser C., Franken P.	Spring	
Introduction to Reading and Presentation of Scientific Literature	Thome M.	Spring	
Molecular Basis of Cancer	Thome M., Julliard-Favre M.	Spring	
Post-transcriptional Gene Regulation and Recombination	Roignant J.-Y.	Spring	
Proteasome Degradation	Staub O., Fankhauser C.	Spring	

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

Course	Faculty Staff	Semester	C
Plants-Insects	Reymond P.	Spring	
Practical Work : Introduction to Research	Gouttenoire J.	Spring	
Viruses-Hosts	Gouttenoire J., Ciuffi A.	Spring	

GRADUATE COURSES

A more detailed description of the courses is available on www.unil.ch/programmes

master of science in behaviour, evolution and conservation

key

C

ECTS Credits

Course	Faculty staff	Semester	C
Advanced Data Analysis	Ciriello G., Delaneau O.	Fall	2,5
Animal Communication and Parasitism	Christe P., Roulin A.	Fall	1,5
Data Analysis	Bergmann S.	Fall	2
Introduction into Scientific Writing	Waterhouse R.	Fall	2
Major Transitions in Evolution	Keller L.	Fall	1,5
Molecular Methods in Ecology and Evolution	Sanders I., Fumagalli L., Salamin N.	Fall	5
Phylogeography	Fumagalli L.	Fall	1,5
Population Genetics and Dynamics	Goudet J.	Fall	1,5
Spatial Analysis and GIS in Ecology	Guisan A.	Fall	1,5
Applied Ecology	Pellet J.	Spring	3
Biological Invasions	Bertelsmeier C.	Spring	1,5
Co-evolution, Mutualism, Parasitism	Sanders I.	Spring	1,5
Comparative Genomics : from Thousands of Genomes to Single Cells	Arguello R.	Spring	1,5
Current Problems in Conservation Biology	Wedekind C.	Spring	3
Ecology of the Fishes of Switzerland	Rubin J.-F.	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	3
Plant Population Genetics and Conservation	Felber F.	Spring	1,5
Scientific Mediation and Communication - Museum Module	Sartori M., Glaizot O.	Spring	3
Sex, ageing and Foraging Theory	Mullon C.	Spring	1,5

Course	Faculty staff	Semester	C
Social Genetics	Keller L., Kay T.	Spring	1,5
Spatial Modelling of Species and Biodiversity	Guisan A.	Spring	3
The Evolution of Cooperation : from Genes to Learning and Culture	Lehmann L.	Spring	3

master of science in molecular life sciences

Course	Faculty staff	Semester	C
Advanced Microbial Genetics	Collier J., Pelet S.	Fall	1,5
Advanced Python Programming (compulsory for Bioinformatics specialisation)	Salamin N.	Fall	2
Bacterial Genomes and Genome Evolution	van der Meer J.	Fall	1,5
Biotechnology	Poirier Y., Resch G.	Fall	1,5
CRISPR-Cas9 Genome Editing	van Leeuwen J.	Fall	1,5
Development of the Nervous System	Braissant O.	Fall	1,5
Fungal Virulence and Pathogenicity	Sanglard D., Lamoth F., Hauser P.	Fall	1,5
Immunology and Infectious Diseases	Roger T., Perreau M., Di Domizio J.	Fall	1,5
Molecular Mechanisms of Evolution	Benton R., Geldner N.	Fall	1,5
Plant Functional Genetics	Poirier Y.	Fall	1,5
Plant Interactions with Microbes and Insects	Keel C., Reymond P.	Fall	1,5
Sequence a Genome I	Engel P., van der Meer J., tutors	Fall	3
Theory and Practice in Gene Expression Analyses (compulsory for Bioinformatics specialisation)	Gfeller D., Delaneau O.	Fall	2,5
Virus-Host Interactions	Gouttenoire J.	Fall	1,5
Write a Review	Benton R., tutors	Fall	4
Advanced Population Genetics	Malaspina A.-S.	Spring	3
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
Bioinformatic Algorithms	Dessimoz C., Gfeller D.	Spring	3
Chromosome Organization and Dynamics	Gruber S.	Spring	1,5
Epidemiology of Human Pathogens	Blanc D., Manuel O., Sanglard D., Senn L., Opota O.	Spring	1,5
Epigenetics and Cell Differentiation	Gasser S.	Spring	1,5
Epitranscriptomics and RNA Dynamics	Roignant J.-Y.	Spring	1,5
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

SCHOOL OF BIOLOGY

Course	Faculty staff	Semester	C
Industrial Bioinformatics	Xenarios I.	Spring	1,5
Metabolic Signaling Pathways in Health and Disease	Fajas L., Leal-Esteban 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
Microbiome Analysis	van der Meer J.	Spring	1,5
Microbiomes	van der Meer J.	Spring	1,5
Plant and Animal Domestication : from History to Molecular Mechanisms	Hardtke C., Soyk S.	Spring	3
Sequence a Genome II	Engel P., tutors	Spring	3
Viral Pathogenesis and Emerging Viruses	Ciuffi A., Gouttenoire J., Moreno H.	Spring	1,5
Write a Fellowship	Benton R., tutors	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

master of science in environmental sciences

key

- C** ECTS Credits
* Participation subject to certain conditions. Contact: elste@unil.ch

Course	Faculty staff	Semester	C
Advanced quantitative risk and vulnerability	Michel Jaboyedoff	Fall	3
Alpine periglacial environments	Christophe Lambiel	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
Dates and rates of Mountain evolution	Georgina King	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	6
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
Applied fluvial hydraulics	Stuart Lane	Spring	2
GIS-based analysis for mountain geomorphology	Christophe Lambiel	Spring	3
Mountain ecosystems; ecology and evolution	Antoine Guisan	Spring	3
Mountain streams; ecological processes and management	Stuart Lane	Spring	3
Watershed and river network modelling	N. Peleg, Virginia Ruiz-Villanueva	Spring	5
Aquatic ecosystems: glaciers, rivers, and lakes	Stuart Lane, Marie-Elodie Perga	Spring	5
Environmental data mining	Tom Beucler	Spring	5
Erosion and slope movements	Michel Jaboyedoff	Spring	5
Field and laboratory methods (I): The UNIL campus as a microcosm	Nathalie Chèvre, Torsten Vennemann	Spring	6

FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
Field and laboratory methods (II): Alpine catchments	Marie-Elodie Perga, Stuart Lane	Spring	6
Flood risk modeling	François Mettra	Spring	5
Model parameter estimation and uncertainty quantification	Niklas Linde, J. Hunziker	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 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
Laboratory techniques in geochemistry	Urs Schaltegger	Fall	0.5
Life evolving with Earth	Elias Samankassou	Fall	6
MATLAB as a language of scientific computing	Yury Podladchikov	Fall	3
Methods of exploration	Georges Beaudoin	Fall	4
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
PorPerm and QemScan	Andrea Moscariello	Fall	0.5
Quantitative tectonics	Stefan Schmalholz	Fall	4
Scanning electron microscopy	Pierre Vonlanthen	Fall	1

FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
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
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
Gemmology	Laurent Cartier	Spring	2
Geology of clays	Thierry Adatte	Spring	1.5
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	2
Optical cathodoluminescence	Rossana Martini	Spring	0.5
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
Stable and radiogenic isotope geochemistry	Massimo Chiaradia	Spring	6
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
Building cities	M. Müller	Fall	1
Thinking cities	M. Müller, René Véron	Fall	2
Dates and Rates of Mountain Evolution	Georgina King	Fall	3
Environmental and social safeguards project assessments	Gretchen Walters	Fall	3
Analysis, visualisation and simulation of geographical networks	Céline Rozenblat	Spring	6
Environmental management and livelihoods	Christian Kull	Spring	5
Mountain streams: ecological processes and management	Stuart Lane	Spring	3
Planning cities in uncertain times	Martin Müller	Spring	3

master of science in biogeosciences

Course	Faculty staff	Semester	C
Environmental Biochemistry	NN	Spring	3

FACULTY OF ARTS

UNDERGRADUATE COURSES

A more detailed description of the course is available on 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
Alice's Adventures in Wonderland (1865) and Through the Looking-Glass (1871) across Languages, Genres and Media	M. Hennard Dutheil	Fall	4	2
American Perspectives II	B. Vejdovsky	Fall	4	2
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Fall	2	1
Anglo-American Literary Survey III	B. Pickford	Fall	2	1
Contemporary American Literature	A. Soltysik Monnet	Fall	4	2
Encounter : Animals and Animal Symbolism in Old English Literature	D. Bitterli	Fall	4	2
Encounter : Margery Kempe : A Woman of her Time?	J. Vuille	Fall	4	2
Encounter : Reading About Temptation in Late Medieval England	D. Renevey	Fall	4	2
English Composition	K. Stirling, J. Thorburn	Fall	4	2
English Renaissance Drama	K. Curran	Fall	4	2
Exploration : Bad Romance: The Breton Lay in Medieval England	R. Critten	Fall	4	2
Exploration : Chaucer and Poetry : The House of Fame	J. Vuille	Fall	4	2
Exploration : Female Asceticism and Violence in Three Women of Liège	O. Danylovyh	Fall	4	2
Exploration : Not that Innocent : Medieval English Women Saints	R. Critten	Fall	4	2
Exploration : Unlock the wordhord! An Introduction to Old English	R. Critten	Fall	4	2
Introduction to English language and linguistics (IELL)	J. Thorburn	Fall	1	1
Introduction to Gender Studies : 18-19th century	V. Cossy	Fall	4	2
Introduction to Gender Studies : 19-20th century	V. Cossy	Fall	4	2
Introduction to Literary Analysis	K. Stirling, P. Lindholm, E. Steiner, M. Hennard Dutheil, B. Pickford, R. Falconer, B. Vejdovsky	Fall	6	2
Linguistics: Englishes around the World	S. Bourgeois	Fall	4	2
Linguistics: Language and the City	A. Auer	Fall	4	2

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Linguistics: Language Attitudes	J. Thorburn	Fall	4	2
Literary Analysis : Chopin and Gilman	A. Soltysik Monnet	Fall	3	2
Literary Analysis : Edmund Spenser's The Faerie Queene, Book 3	M. Hennard Dutheil	Fall	3	2
Literary Analysis : Introduction to Comparative Literature	M. Hennard Dutheil	Fall	3	2
Literary Analysis : Katherine Mansfield, The Garden Party and Other Stories (1922)	V. Cossy	Fall	3	2
Literary Analysis : Lyrical Ballads	P. Lindholm	Fall	3	2
Literary Analysis : Sweet Questionings: Elizabeth Bishop, Wallace Stevens and the Place of the Poet	B. Vejdovsky	Fall	3	2
Literary Analysis : Writing American Nature in the Nineteenth Century	B. Pickford	Fall	3	2
Practicing English Proficiency - PEP	J. Thorburn	Fall		1
Romantic and Victorian Poetry	P. Lindholm	Fall	4	2
Synchronic Linguistics: Introduction to Multilingualism in Society	M. Garrido Sardà	Fall	3	2
Synchronic Linguistics: Introduction to Sociolinguistics	J. Thorburn	Fall	3	2
Synchronic Linguistics: Linguistic Anthropology and Ethnography	S. Lynch	Fall	3	2
The Development of the English Language	A. Auer	Fall	1	1
The Gospels in/and Fiction	K. Stirling	Fall	4	2
Academic Socialisation in L2: Ethnographic approaches	M. Garrido Sardà	Spring	4	2
African American Literature	A. Soltysik Monnet	Spring	4	2
American Perspectives III	B. Vejdovsky	Spring	3	2
Angela Carter's The Bloody Chamber and its international reception	M. Hennard Dutheil	Spring	4	2
Anglo-American Literary Survey 1&2	K. Curran, E. Steiner	Spring	2	1
Encounter : Envisioning Love in the Fifteenth Century	R. Critten	Spring	4	2
Encounter : The Transvestite Virgin, The Repentant Harlot, and The Re-Virginised Abbess: Models of Female Sainthood in Anglo-Saxon England	J. Vuille	Spring	4	2
English Composition	K. Stirling, J. Thorburn	Spring	4	2
Exploration : Saving Criseyde : Chaucer and Henryson at Troy	R. Critten	Spring	4	2
Exploration : Ennobling Love : Sir Gawain and the Green Knight and Pearl	D. Renevey	Spring	4	2
Introduction to English language and linguistics (IELL)	J. Thorburn	Spring	1	1
Introduction to Gender Studies : 20th-21st Century	V. Cossy	Spring	4	2
Introduction to Literary Analysis	K. Stirling, P. Lindholm, E. Steiner, M. Hennard Dutheil, B. Pickford, R. Falconer, B. Vejdovsky	Spring	6	2
Introduction to Old Irish	M. Ronan	Spring	4	2

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Lecture. Discovery: Medieval English	D. Renevey	Spring	1	1
Linguistics : The Sociolinguistics of Cyberspace	J. Thorburn	Spring	4	2
Literary Analysis : American Women Poets	A. Soltysik Monnet	Spring	3	2
Literary Analysis : Kurt Vonnegut's Slaughterhouse-Five	A. Soltysik Monnet	Spring	3	2
Literary Analysis : Oscar Wilde's The Complete Short Stories	M. Hennard Dutheil	Spring	3	2
Literary Analysis : Radical American Poetry, 1900-1939	B. Pickford	Spring	3	2
Literary Analysis : The Sonnet in English	K. Stirling	Spring	3	2
Literary Analysis: William Shakespeare's Hamlet	K. Curran	Spring	3	2
Milton's Paradise Lost	R. Falconer	Spring	3	2
Modernist Female Eroticism	R. Falconer	Spring	3	2
Practicing English Proficiency - PEP	J. Thorburn	Spring		1
Shakespeare's Theater	K. Curran	Spring	4	3
Synchronic Linguistics: Language Acquisition	S. Lynch	Spring	3	2
Synchronic Linguistics: Pragmatics	S. Bourgeois	Spring	3	2
Workshop. Discovery: Medieval English	D. Renevey, R. Critten, J. Vuille	Spring	3	2

key

H/W Hours per week
C ECTS Credits

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

master of arts, english department

Course	Faculty staff	Semester	H/W	C
Critical Approaches	B. Pickford, B. Vejdovsky	Fall	5	2
Introduction to New American Studies	A. Soltysik Monnet	Fall	5	2
Isabelle de Charrière and Jane Austen : writing novels in order to invent new men and new women	V. Cossy	Fall	3	2
Katabasis: Literary Descents into the Underworld	R. Falconer	Fall	5	2
Language and Migration	A. Auer	Fall	5	2
Language in Television and Film	J. Thorburn	Fall	5	2
Medieval English Multilingualism	R. Critten	Fall	5	2
Modern Poetry and the Auditory Imagination	R. Falconer	Fall	5	2
New American Studies : Final Colloquium	A. Soltysik Monnet	Fall	2	
Participation in scientific conference	A. Soltysik Monnet	Fall	3	
Poet-translators, poètes-traducteurs, Dichter-Übersetzer	M. Hennard Dutheil, A. Sanmann-Graf	Fall	3	2

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Qualitative research methods in critical sociolinguistics	M. Garrido Sardà	Fall	5	2
Scotland in Words and Images	K. Stirling	Fall	5	2
Shakespeare and Selfhood	K. Curran	Fall	5	2
The Development of the English Language	A. Auer	Fall	1	1
Academic Socialisation in L2: Ethnographic approaches	M. Garrido Sardà	Spring	4	2
Alterity and Medieval Travel Literature	D. Renevey	Spring	5	2
Baudelaire and/in translation	M. Hennard Dutheil	Spring	3	2
Desert Wars in American Literature	A. Soltysik Monnet	Spring	5	2
English in Switzerland	J. Thorburn	Spring	5	2
Environmental Crisis and Societal Change	G. Palazzo, B. Vejdovsky	Spring	5	2
Experiments in Theater, 1950 to the Present	K. Curran	Spring	5	2
History, gender, and the life of the human mind in novels by Virginia Woolf and Alice Rivaz	V. Cossy	Spring	3	2
Introduction to Old Irish	M. Ronan	Spring	4	2
Memory Fiction: Kazuo Ishiguro	R. Falconer	Spring	5	2
New American Studies	B. Vejdovsky	Spring	5	2
New American Studies : colloque final	A. Soltysik Monnet	Spring	2	
Participation in scientific conference	A. Soltysik Monnet	Spring	3	
Research Methodologies	K. Stirling	Spring	5	2
The American Wild and Wilderness	B. Vejdovsky, P. Vincent	Spring	5	2
The Politics of Language	A. Auer	Spring	5	2

FACULTY OF LAW, CRIMINAL JUSTICE AND PUBLIC ADMINISTRATION

GRADUATE COURSES

A more detailed description of the course is available on www.unil.ch/programmes

key

C ECTS Credits

master of arts in public management and policy

Course	Faculty staff	Semester	C
Accountability in EU multi-level governance	Papadopoulos Ioannis	Fall	3
Artificial intelligence (AI) in the implementation of public policies	Ballester Omar, Bonoli Giuliano, Körtner John , Mettler Tobias	Fall	3
Behavioural Public Administration and Nudge Theory	Neumann Oliver	Fall	3
Contract Economics and Organization of Public Services	Athias Laure	Fall	3
Digital government transformation	Mettler Tobias	Fall	3
Economics of sport	Terrien Mickaël	Fall	3
Empirical analysis of public policies	Grigoriou Christopher	Fall	3
European governance and europeanization	Mathieu Emmanuelle	Fall	3
Fiscal Federalism and Equalization	Köthenbürger Marko	Fall	3
Fiscal Policy	Soguel Nils	Fall	3
Inequality and Public Policy	Fossati Flavia	Fall	3
Institutions and governance strategies for dealing with complex problems	Trein Josef Philipp	Fall	3
Introduction to applied econometrics	Grigoriou Christopher	Fall	3
Managing diversity: from migration to integration policy	Fossati Flavia	Fall	3
Managing regulation in modern government	Allio Lorenzo	Fall	3
Public administration and international regulation	Maggetti Martino	Fall	6
Use and misuse of expertise in public policy and administration	Trein Josef Philipp	Fall	3
Evaluation of public Policy	Bundi Pirmin	Spring	3

FACULTY OF LAW, CRIMINAL JUSTICE AND
PUBLIC ADMINISTRATION

Course	Faculty staff	Semester	C
Internationalisation of public policies	Trifa Flavia	Spring	3
Research Methods	Mettler Tobias, Flavia Fossati	Spring	6

Master of Law

Course	Faculty staff	Semester	C
Advanced issues in International and European Tax Law	R. Danon	Fall	3
International Commercial Litigation	A. Bonomi, E. Lein	Fall	6
International Tax Policy	R. Danon	Fall	3
Microeconomics & Game Theory	C. Thoeni	Fall	6
Taxation of Multinational Enterprises and Transfer Pricing Policy	V. Chand	Fall	6
Contract Drafting	E. Lein	Spring	3
Digitalization and Taxation	V. Chand	Spring	3
Droit Américain	K. Druckman	Spring	6
International and European Tax Law (Fundamentals)	V. Chand	Spring	6
International Commercial Arbitration	A. Bonomi, E. Lein	Spring	6
International Human Rights Law	E. Schmid	Spring	6