

COURSES TAUGHT IN ENGLISH OPEN TO EXCHANGE STUDENTS

academic year 2020-2021

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Faculty of Business and Economics	[2]
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Subject to changes

FACULTY OF BUSINESS AND ECONOMICS

UNDERGRADUATE COURSES

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

The 2021 spring semester course list will be available in November. 2020 spring semester courses are listed below 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
Consolidated Financial Statements and External Control	André Paul / Dousse Vincent	Fall	4	4.5
Digital Business Processes and Enterprise Systems	Legner Christine	Fall	4	6
Essentials and toolbox for future innovators	Headon A.	Fall	2	3
Information Systems	Mueller Benjamin / Pillet J-C.	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	Gioaba Irina	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
Consumer Behaviour (BScM)	Petersen Francine	Spring	4	6
Contemporary Challenges in Management Control	Camponovo Giovanni	Spring	2	3
Corporate Sustainability : The Environmental Perspective	Ionescu Aileen Margaret	Spring	2	3
Economics of Health and Healthcare	Dusheiko Mark, Huber Martin	Spring	4	6
Entrepreneurial finance and the new venture funding process	Petty Jeffrey	Spring	3	6
Integrated Marketing Communication	Schlager Tobias	Spring	2	3
International Money and Finance	Bacchetta Philippe, Davenport M.	Spring	4	6
International Trade and European Integration	Milet Emmanuel	Spring	4	6
Introduction to Negotiations	Efferson Charles	Spring	2	3
Judgment and Decision Making	Hoffrage Ulrich	Spring	2	3

Course	Faculty staff	Semester	H/W	C
Market Design and the Economics of Asymmetric Information	Strimbu Octavian Petru ; Hakimov Rustamdjan	Spring	4	6
Marketing Research	Lagomarsino Maria	Spring	4	6
Microeconomic analysis	Bruhin Adrian ; 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	Buffat Justin	Spring	4	6
Service Operations Management	Iunius Ray Florian	Spring	2	3

GRADUATE COURSES

key

H/W Hours per week

C ECTS Credits

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

The 2021 spring semester course list will be available in November. 2020 spring semester courses are listed below for information.

master of science in economics

Course	Faculty staff	Semester	H/W	C
Human Behavior and Evolutionary Inference	Efferson Charles	Fall	4	6
Leadership Development	Bendahane Samuel	Fall	2	3
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	Cahn Christophe	Fall	4	6
Econometrics	Huber M.	Fall	5	7.5
Economic Policy Seminar	Benghalem Hélène / Cacault Maria Paula	Fall	4	6
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Genes, Population and Evolution	Lehmann Laurent	Fall	4	6
Health Economics	Maurer Jürgen	Fall	2	3
International Trade	Milet E.	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	5	7.5
Macroeconomics of Financial Crises	Tischbirek Andreas	Fall	4	6

(4) COURSES TAUGHT IN ENGLISH 2020-2021

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Mathematics for Economic Policy	Raghavan Madhav	Fall	1	1.5
Mathematics for Economics and Finance	Mihet Roxana	Fall	4	6
Microeconomics	Klaus Bettina	Fall	5	7.5
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Advanced Topics in Industrial Organization	Montez Joao/Bach Christian	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent/Santos Pinto Luis	Spring	2	6
Business Cycles	Bilbiie Florin	Spring	4	6
Economic Growth	Buggle Johannes	Spring	4	6
Environmental Economics	Di Falco Salvatore	Spring	2	3
Financial Institutions & Regulation	Bruhin Adrian	Spring	4	6
Game Theory	Klaus Bettina	Spring	4	6
International Macroeconomics	Bacchetta Philippe	Spring	4	6
Macroeconometrics	Renne Jean-Paul	Spring	4	6
Microeconometrics	Huber Martin	Spring	4	6
Political and Institutional Economics	Saia Alessandro	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6
Public Economics	Terrier Camille	Spring	4	6

master of science in finance

Course	Faculty staff	Semester	H/W	C
Blockchain and Distributed Ledgers	Schmelzer Thomas	Fall	2	3
Entrepreneurship and Strategy	Tsukanova Tatyana	Fall	4	6
International Finance	Zhao Ziwei	Fall	4	6
Market Microstructure	Mihet Roxana	Fall	2	3
Mergers & Acquisitions, and Corporate Restructurings	Nikolov Boris	Fall	4	6
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Alternative Investments	Cho Thomas Kyung-Ha	Fall	4	6
CFA General Research Challenge	Schuerhoff Norman	Fall	4	6
Corporate Finance (MSc in Finance)	Dimopoulos Theodosios	Fall	4	6
Datascience for Finance	Zhao Ziwei	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Financial Accounting	Markarian Garian	Fall	4	6
Financial Institution	Mihet Roxana	Fall	2	3
Investments	Goyal Amit	Fall	4	6
Mathematics for Economics and Finance	Mihet Roxana	Fall	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
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
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 / LT Portfolio Mgt	Walden Johan	Spring	4	6
Derivatives	Rockinger Michael	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	5	6
International Strategy	Mata José	Spring	4	6
Programming	Scheidegger Simon	Spring	4	6
Quantitative Asset and Risk Management	Jondeau Eric	Spring	4	6
Real Estate Investments	Walden Johan	Spring	2	3
Valuation	Walden Johan	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
Consumer Behavior (MScM)	Rege Katharina	Fall	2	3
Data Science in Business Analytics	Vatter Thibault	Fall	4	6
Digitalisation of Purchasing and B to B Sales	Lacoste Sylvie	Fall	2	3
Fraud and Business Process Analytics	Baumgartner Marcel	Fall	2	3
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
Leadership Development	Bendahan Samuel	Fall	2	3
Luxury Marketing	Morhart Felicitas	Fall	4	6
Optimization Methods in Management Science	Oeuvery Rodrigue	Fall	4	6
Production Control	Gallay Olivier	Fall	2	3
Programming Tools in Data Science	Orso Samuel	Fall	4	6
Projets in Data Analytics for Decision Making	Zuber Jacques	Fall	4	6
Risk Analytics	Chavez Valérie	Fall	2	3

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Strategy in Digital Markets	Peukert Christian	Fall	4	6
Text Mining	Boldi Marc-Olivier	Fall	4	6
Entrepreneurship and Strategy	Tsukanova Tatyana	Fall	4	6
Behavioral Economics	Santos Pinto Luis Pedro	Fall	4	6
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Competitive Strategy	Amer Maistriau Estefania	Fall	4	6
Computational Complexity I	Duparc Jacques	Fall	2	3
Experimental Methods	Hakimov Rustamdjan	Fall	4	6
Genes, Population and Evolution	Lehmann Laurent	Fall	4	6
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Marketing Science	De Bellis E.	Fall	4	6
Organizational Theory and Decision Making	Zehnder Christian	Fall	4	6
Pricing Strategies	Mata José	Fall	4	6
Quantitative Methods for Management	Reboulleau Jérôme	Fall	4	6
Strategic Management Control Systems	Derchi Giovanni Battista / Iorio Raffaele Luca	Fall	4	6
Strategic Marketing	Christen Markus	Fall	4	6
Strategy and Development Modes	Castaner Xavier	Fall	4	6
Supply Chain Management and its Latest Trends	Hameri Ari-Pekka	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 Human Resources Management	Salamin Alain	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent/Santos Pinto Luis	Spring	2	6
Business Intelligence and Analyzing Big Data	Niemi Tapio	Spring	4	6
Competitive Advantage & Strategic Interactions	Conti Annamaria	Spring	4	6
Consumer Behavior (MSc in Management)	Lagomarsino Maria	Spring	2	3
Customer Relationship Management	Christen Markus	Spring	4	6
Data Science in Business Analytics	Vatter Thibault	Spring	4	6
Data-Driven Business	Marewski Julian	Spring	4	6
Deep Learning	Rudnytskyi Iegor	Spring	2	3
Distribution Management	Eckardt Thilo	Spring	4	6
Environmental Crisis and Societal Changes	Palazzo Guido/Vedjovsky B.	Spring	2	3
Environmental Economics	Di Falco Salvatore	Spring	2	3
Evidence-Based Management	Dietz Jörg	Spring	2	6
Forecasting 1	Wilhelm Matthieu	Spring	3	3

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Forecasting 2	Ranjbar Setareh	Spring	3	3
Group Processes	Krings Franciska	Spring	4	6
International Strategy	Mata José	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	Schmid Mast Marianne	Spring	4	6
Project Management & Outsourcing in a Digital Era (MScM-MDE)	Bienz Pius V.	Spring	4	6
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
Sustainability Strategy Project	Aeschlimann S./Fischer Christophe	Spring	4	6
The Management of Risk, Reputation and Legitimacy	Haack Patrick	Spring	4	6
Theories of Organizational Behaviour	Dietz Jörg	Spring	4	6

master of science in actuarial science

Course	Faculty staff	Semester	H/W	C
Blockchain and Distributed Ledgers	Schmelzer Thomas	Fall	2	3
Topics in Finance	Balocchi Giuseppe	Fall	2	3
Actuarial Modelling	Hashorva Enkelejd	Fall	4	6
Asset and Liability Management for Actuaries	Cho Thomas Kyung-Ha	Fall	4	6
Computational Tools for Actuaries	Zucchinetti Giovanni	Fall	4	6
Credibility Theory	Smith Nathaniel	Fall	4	3
Insurance Analytics	Trufin Julien	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	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	Albrecher Hans-Joerg	Fall	4	6
Quantitative Methods for Actuaries	Gruetzner Guido / Rudnytskyi Iegor	Fall	5	6
Life Contingencies I	Dufresne François	Spring	4	6
Loss Models	Hashorva Enkelejd	Spring	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Ratemaking and Claims Reserving	Trufin Julien	Spring	2	3
Risk Theory	Albrecher Hansjoerg	Spring	4	6
Simulation Methods in Finance and Insurance	Tamraz Maïssa	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
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
Taxation of Multinational Enterprises and Transfer Pricing Policy	Chand Vikram	Fall	4	6
Business and Society - Corporate Sustainability	Strebel Heidi	Fall	4	6
Econometrics	Huber M.	Fall	5	7.5
Empirical Methods for Lawyers	Buffat Justin	Fall	4	6
Finance Ethics	Fiole Eelco	Fall	2	3
Managerial Decision Making	Hoffrage Ulrich	Fall	4	6
Microeconomics & Game Theory	Gizatulina Alia	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 Group Accounting	André Paul	Spring	2	3
New Trends in Product Innovation	Leclerc Fabrice	Spring	2	3
Political and Institutional Economics	Saia Alessandro	Spring	4	6
Project Management & Outsourcing in a Digital Era (MScM-MDE)	Bienz Pius V.	Spring	4	6

master of science in information systems

Course	Faculty staff	Semester	H/W	C
China Hardware Innovation Camp	Laperrousaz M. + Estier Thibault	Fall	4	6
Digital Strategies	Missonier Stéphanie	Fall	4	6
Data Mining and Machine Learning	Vlachos Michalis	Fall	4	6
Enterprise Data and Integration	Estier Thibault	Fall	4	6
Information Security & Privacy	Huguenin Kevin	Fall	4	6
Interaction Design	Cherubini Mauro	Fall	4	6

Course	Faculty staff	Semester	H/W	C
Software Architectures	Garbinato Benoît	Fall	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent/Santos Pinto Luis	Spring	2	6
Business and IS Architecture Design	Legner Christine	Spring	4	6
Digital Innovation	Mueller Benjamin	Spring	4	6
Project Management & Outsourcing (MSc in Information Systems)	Bienz Pius V.	Spring	4	6

SCHOOL OF BIOLOGY

UNDERGRADUATE COURSES

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ECTS Credits

bachelor of science in biology

Course	Faculty Staff	Semester	C
BSc 3rd year			
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
Optional courses BSc 2nd and 3rd year			
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
Introduction to Analytics of Plant Metabolites	Nawrath C.	Spring	1
Molecular Machines	Fasshauer D.	Spring	1
Advanced Molecular, Cellular and Developmental Biology			
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
Genetics and Genome Evolution			
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	
The Dynamic Cell			
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	
Biotic Interactions			
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

master of science in behaviour, evolution and conservation

key

C

ECTS Credits

Course	Faculty staff	Semester	C
Data Analysis	Salamin N.	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	Salamin N.	Autumn	2.5
Population Genetics and Dynamics	Goudet J.	Autumn	1.5
Animal Communication and Parasitism	Christe P., Roulin A.	Autumn	1.5
Major Transitions in Evolution	Keller L.	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

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	Engel P., van der Meer J., tutors	Autumn	3
Write a Review	Benton R., tutors	Autumn	4
Biotechnology	Poirier Y., Resch G.	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
CRISPR-Cas9 Genome Editing	van Leeuwen J.	Autumn	1.5
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	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

SCHOOL OF BIOLOGY

Course	Faculty staff	Semester	C
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., 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

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
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	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
Aquatic ecosystems: glaciers, rivers, and lakes	Stuart Lane, Marie-Elodie Perga	Spring	5
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	6
Field and laboratory methods (II): Alpine catchments	Marie-Elodie Perga	Spring	6
Flood risk modeling	François Mettra	Spring	5
Geostatistics and GIS	Mikhail Kanevski	Spring	5
Model parameter estimation and uncertainty quantification	Niklas Linde	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

FACULTY OF GEOSCIENCES AND ENVIRONMENT

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 (MSc Geol - UNIL)	Pierre Vonlanthen	Fall	1
Weathering processes and soils formation	Eric Verrecchia	Fall	1
Biostratigraphy and micropaleontology	Rossana Martini	Fall & Spring	6
3D static and geological modelling - Petrel and Eclipse	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

FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
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

[18] COURSES TAUGHT IN ENGLISH 2020-2021

FACULTY OF GEOSCIENCES AND ENVIRONMENT

Course	Faculty staff	Semester	C
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

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	2	4
American Perspectives II	B. Vejdovsky	Fall	2	4
Anglo-American Literary Survey 1&2	K. Curran, B. Pickford	Fall	1	2
Anglo-American Literary Survey III	B. Pickford	Fall	1	2
Contemporary American Literature	A. Soltysik Monnet	Fall	2	4
Encounter : Animals and Animal Symbolism in Old English Literature	D. Bitterli	Fall	2	4
Encounter : Margery Kempe : A Woman of her Time?	J. Vuille	Fall	2	4
Encounter : Reading About Temptation in Late Medieval England	D. Renevey	Fall	2	4
English Composition	K. Stirling, J. Thorburn	Fall	2	4
English Renaissance Drama	K. Curran	Fall	2	4
Literary Analysis : Chopin and Gilman	A. Soltysik Monnet	Fall	2	3
Literary Analysis : Edmund Spenser's The Faerie Queene, Book 3	M. Hennard Dutheil	Fall	2	3
Literary Analysis : Introduction to Comparative Literature	M. Hennard Dutheil	Fall	2	3
Literary Analysis : Katherine Mansfield, The Garden Party and Other Stories (1922)	V. Cossy	Fall	2	3
Literary Analysis : Lyrical Ballads	P. Lindholm	Fall	2	3
Literary Analysis : Sweet Questionings: Elizabeth Bishop, Wallace Stevens and the Place of the Poet	B. Vejdovsky	Fall	2	3
Literary Analysis : Writing American Nature in the Nineteenth Century	B. Pickford	Fall	2	3
Exploration : Chaucer and Poetry : The House of Fame	J. Vuille	Fall	2	4
Exploration : Bad Romance: The Breton Lay in Medieval England	R. Critten	Fall	2	4
Exploration : Female Asceticism and Violence in Three Women of Liège	O. Danylovyh	Fall	2	4
Exploration : Not that Innocent : Medieval English Women Saints	R. Critten	Fall	2	4

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Exploration : Unlock the wordhord! An Introduction to Old English	R. Critten	Fall	2	4
Introduction to English language and linguistics (IELL)	J. Thorburn	Fall	1	1
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, P. Lindholm, B. Pickford, E. Steiner, K. Stirling, B. Vejdovsky	Fall	2	6
Linguistics: Englishes around the World	S. Bourgeois	Fall	2	4
Linguistics: Language and the City	A. Auer	Fall	2	4
Linguistics: Language Attitudes	J. Thorburn	Fall	2	4
Practicing English Proficiency - PEP	J. Thorburn	Fall	1	na
Romantic and Victorian Poetry	P. Lindholm	Fall	2	4
Synchronic Linguistics: Introduction to Multilingualism in Society	M. Garrido Sardà	Fall	2	3
Synchronic Linguistics: Introduction to Sociolinguistics	J. Thorburn	Fall	2	3
Synchronic Linguistics: Linguistic Anthropology and Ethnography	S. Lynch	Fall	2	3
The Development of the English Language	A. Auer	Fall	1	1
The Gospels in/and Fiction	K. Stirling	Fall	2	4
Academic Socialisation in L2: Ethnographic approaches	M. Garrido Sardà	Spring	2	4
African American Literature	A. Soltysik Monnet	Spring	2	4
American Perspectives III	B. Vejdovsky	Spring	2	4
Angela Carter's The Bloody Chamber and its international reception	M. Hennard Dutheil	Spring	2	4
Anglo-American Literary Survey 1&2	K. Curran, B. Pickford	Spring	1	2
Encounter : Envisioning Love in the Fifteenth Century	R. Critten	Spring	2	4
Encounter : The Transvestite Virgin, The Repentant Harlot, and The Re-Virginised Abbess: Models of Female Sainthood in Anglo-Saxon England	J. Vuille	Spring	2	4
English Composition	K. Stirling, J. Thorburn	Spring	2	4
Literary Analysis : American Women Poets	A. Soltysik Monnet	Spring	2	3
Literary Analysis : Deep Time and Robert Macfarlane's Underland	R. Falconer	Spring	2	3
Literary Analysis : Hamlet and Hal	K. Curran	Spring	2	3
Literary Analysis : Hamlet and Hal	A. Reilly	Spring	2	3
Literary Analysis : Kurt Vonnegut's Slaughterhouse-Five	A. Soltysik Monnet	Spring	2	3
Literary Analysis : Oscar Wilde's The Complete Short Stories	M. Hennard Dutheil	Spring	2	3
Literary Analysis : Radical American Poetry, 1900-1939	B. Pickford	Spring	2	3
Literary Analysis : The Sonnet in English	K. Stirling	Spring	2	3
Exploration : Saving Criseyde : Chaucer and Henryson at Troy	R. Critten	Spring	2	4

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Exploration : Ennobling Love : Sir Gawain and the Green Knight and Pearl	D. Renevey	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, P. Lindholm, B. Pickford, E. Steiner, K. Stirling, B. Vejdovsky	Spring	2	6
Introduction to Old Irish	M. Ronan	Spring	2	4
Lecture. Discovery: Medieval English	D. Renevey	Spring	1	1
Linguistics : The Sociolinguistics of Cyberspace	J. Thorburn	Spring	2	4
Milton's Paradise Lost	R. Falconer	Spring	2	4
Modernist Female Eroticism	R. Falconer	Spring	2	4
Practicing English Proficiency - PEP	J. Thorburn	Spring	1	
Shakespeare's Theater	K. Curran	Spring	3	4
Synchronic Linguistics: Language Acquisition	S. Lynch	Spring	2	3
Synchronic Linguistics: Pragmatics	S. Bourgeois	Spring	2	3
Workshop. Discovery: Medieval English	R. Critten, D. Renevey, J. Vuille	Spring	2	3

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	2	5
Introduction to New American Studies	A. Soltysik Monnet	Fall	2	5
Isabelle de Charrière and Jane Austen : writing novels in order to invent new men and new women	V. Cossy	Fall	2	3
Katabasis: Literary Descents into the Underworld	R. Falconer	Fall	2	5
Language and Migration	A. Auer	Fall	2	5
Language in Television and Film	J. Thorburn	Fall	2	5
Medieval English Multilingualism	R. Critten	Fall	2	5
Modern Poetry and the Auditory Imagination	R. Falconer	Fall	2	5
New American Studies : colloque final	A. Soltysik Monnet	Fall		2
Participation in scientific conference	A. Soltysik Monnet	Fall		3

FACULTY OF ARTS

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

FACULTY OF LAW, CRIMINAL JUSTICE AND PUBLIC ADMINISTRATION

GRADUATE COURSES

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

master of arts in public management and policy

key
C ECTS Credits

Course	Faculty staff	Semester	C
Behavioural Public Administration and Nudge Theory	Oliver Neumann	Fall	3
Contract Economics and Organization of Public Services	Laure Athias	Fall	3
Digital government transformation	Tobias Mettler	Fall	3
Economics of Education	Simon Mark Burgess	Fall	3
Empirical analysis of public policies	Christopher Grigoriou	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 of public Policy	Pirmin Bundi	Spring	3
Internationalisation of Public Policies	Carlos Knotz	Spring	3
Research Methods	Tobias Mettler	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

[24] COURSES TAUGHT IN ENGLISH 2020-2021

FACULTY OF LAW, CRIMINAL JUSTICE AND
PUBLIC ADMINISTRATION

Course	Faculty staff	Semester	C
Microeconomics & Game Theory	C. Thoeni	Fall	6
Taxation of multinational enterprises and transfer pricing policy	V. Chand	Fall	6
American Law	K. Druckman	Spring	6
Contract Drafting	E. Lein	Spring	3
Digitalization and taxation	V. Chand	Spring	3
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