



UNIL | Université de Lausanne

COURSES TAUGHT IN ENGLISH OPEN TO EXCHANGE STUDENTS

academic year 2023-2024

CONTENTS



Faculty of Business and Economics	[2]
School of Biology	[11]
Faculty of Geosciences and Environment	[16]
Faculty of Arts	[20]
Faculty of Law, Criminal Justice and Public Administration	[24]

Version 19.9.2023
(subject to changes)

FACULTY OF BUSINESS AND ECONOMICS

UNDERGRADUATE COURSES

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

bachelor of science in economics, bachelor of science in management (2nd year)

key
H/W Hours per week
C ECTS Credits

Course	Faculty staff	Semester	H/W	C
Consolidated Financial Statements and External Control	Dousse V. ; Bytyqi B	Autumn	4	4.5
Information Systems	Cherubini M. ; Gaspoz C.	Autumn	4	6
Principles of marketing	Czellar S.	Autumn	4	6
Communication and Leadership	Jost Matthieu ; Tilston Otilie	Spring	4	4.5
Microeconomic analysis (Analyse économique : microéconomie)	Bruhin Adrian ; Montez Joao	Spring	4	6
Operation Management (Gestion des opérations)	Lurkin Virginie	Spring	2	3
Principles of finance and exercices (Principes de finance et exercices)	Rockinger M. ; Luise Eisfeld	Spring	4	6
Risk Management	Wagner J.	Spring	2	3

bachelor of science in economics

Course	Faculty staff	Semester	H/W	C
Critical Thinking	Szemerédi Z.	Autumn	4	6
Economics of Health and Healthcare	Maurer J.	Autumn	4	6
Microeconomics II	Gallo O. ; Ramezani R.	Autumn	4	6
Quantitative Macroeconomics	Eyquem A.	Autumn	2	3
Financial Markets	Celentano Francesco	Spring	4	6
Innovation for Happiness	Leclerc Fabrice	Spring	2	3
International Money and Finance	Bacchetta Philippe ; Davenport Margaret	Spring	4	6
International Trade and European Integration	Milet Emmanuel ; Brühlhart Marius	Spring	4	6
Introduction to Financial Statement Analysis and Reporting	Markarian Garen	Spring	2	3
Market Design and the Economics of Asymmetric Information	Hakimov Rustamdjan; Santos Pinto Luis	Spring	4	6
Monetary theory and policy	Benigno Gianluca	Spring	4	6
Organization and markets	Zanarone G.	Spring	2	3
Statistics and Econometrics II (+ exercices)	Staubli D.; Hüber M.	Spring	4	6

bachelor of science in management

Course	Faculty staff	Semester	H/W	C
B-to-B Marketing	Christen M.	Autumn	4	6
Critical Thinking	Szemerédi Z.	Autumn	4	6
Design Sustainable Behavior	Vogt S.	Autumn	2	3
Digital Business Processes and Enterprise Systems	Legner C.	Autumn	4	6
Economics of Health and Healthcare	Maurer J.	Autumn	4	6
Essentials and toolbox for future innovators	De Wolff J.	Autumn	2	3
Foundations of AI: Principles and Applications of AI in business	Shrestha Y-R.	Autumn	2	3
Organizational soft-skills: From presentation techniques to group management	Marewski J.	Autumn	2	3
Consumer Behavior (BScM)	Petersen Francine	Spring	4	6
Corporate Sustainability: The Environmental Perspective	Ionescu Aileen	Spring	2	3
Entrepreneurial finance and the new venture funding process	Petty Jeffrey	Spring	4	6
Financial Markets	Celentano Francesco	Spring	4	6
Innovation for Happiness	Leclerc Fabrice	Spring	2	3
Integrated Marketing Communication	Schlager Tobias	Spring	2	3
International Money and Finance	Bacchetta Philippe ; Davenport Margaret	Spring	4	6
Introduction to Bargaining and Negotiations	Efferson Charles	Spring	2	3
Introduction to Financial Statement Analysis and Reporting	Markarian Garen	Spring	2	3
Judgment and Decision Making	Hoffrage Ulrich	Spring	2	3
Marketing Research	Czellar Sandor	Spring	4	6
Organization and markets	Zanarone G.	Spring	2	3
Practical Operation Management	Hameri Ari-Pekka	Spring	4	6
Risk Savvy	Hoffrage Ulrich	Spring	2	3

GRADUATE COURSES

In order to attend master's degree courses, exchange students must have completed a bachelor's degree or a minimum of 3 years specialised study. Also some courses may require specific prerequisites and the approval of the master programme's director. A more detailed description of the courses is available on www.unil.ch/hec/en/masters

master of science in economics

key
H/W Hours per week
C ECTS Credits

Course	Faculty staff	Semester	H/W	C
Applied Mathematics	Strimbu Octavian Petru	Autumn	1	1.5
Behavioral Economics	Santos Pinto Luis Pedro	Autumn	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Development Economics	Nigmatulina Dzhamilya	Autumn	4	6
Dynamic Macroeconomic Models	Eyquem Aurélien	Autumn	4	6
Econometrics	Huber Martin	Autumn	5	7.5
Economic Analysis and Communication	Strimbu O.	Autumn	4	6
Economic Forecasting for Decision Making	Grobéty Mathieu	Autumn	4	6
Economic Policy Seminar	Maurer Jürgen	Autumn	4	6
Genes, Population and Evolution	Lehmann Laurent	Autumn	4	6
Health Economics	Dusheiko Mark	Autumn	4	6
Human Behavior and Evolutionary Inference	Efferson Charles	Autumn	4	6
Leadership Development	Bendahan Samuel	Autumn	2	3
Macroeconomic Policy	Benhima Kenza	Autumn	4	6
Macroeconomics	Tièche S. / Phillot M.	Autumn	5	7.5
Macroeconomics of Financial Crises	Benigno Gianluca	Autumn	4	6
Mathematics for Economic Policy	Strimbu Octavian Petru	Autumn	1	1.5
Mathematics for Economics and Finance	Schuerhoff Norman	Autumn	4	6
Microeconomics	Feizi M.	Autumn	5	7.5
Organizational Theory and Decision Making	Grieder M.	Autumn	4	6
Regulatory Economics	Thoeni Christian	Autumn	2	3
Advanced Data Analysis	Scheidegger S. (on leave) ; Karyampas D./ Didisheim	Spring	4	6
Advanced Programming	Scheidegger S. (on leave) ; Eftekhari A.	Spring	4	6
Advanced Topics in Industrial Organization (ATIO)	Hakimov R. ; Strimbu O.	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent ; Santos Pinto Luis	Spring	4	6
Business Cycles	Siena Daniele	Spring	4	6
Economic Growth	Rotesi Tiziano	Spring	4	6
Environmental Economics	Houde Sébastien	Spring	4	6
Experimental Methods	Hakimov Rustamdjan	Spring	4	6
Financial Institutions & Regulation	Bruhin Adrian	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
Political and Institutional Economics	Rohner Dominic	Spring	4	6
Public Economics	Fourati Maleke	Spring	4	6
The Evolution of Cooperation : from Genes to Learning and Culture	L. Lehmann	Spring	2	3

master of science in finance

Course	Faculty staff	Semester	H/W	C
Alternative Investments	Cho Thomas Kyung-Ha	Autumn	4	6
Blockchain and Crypto Economy	Ivliev S.	Autumn	2	3
CFA General Research Challenge	Schuerhoff Norman	Autumn	4	6
Corporate Finance (MSc in Finance)	Dimopoulos Theodosios	Autumn	4	6
Datascience for Finance	Zhao Ziwei, Cottet T.	Autumn	4	6
Entrepreneurship & Strategy	Tsukanova Tatyana	Autumn	4	6
Evidence-Based Management	Dietz J.	Autumn	4	6
Finance Ethics	Fiole Eelco	Autumn	2	3
Financial Accounting	Markarian Garian	Autumn	4	6
Fraud and Business Process Analytics	Baumgartner Marcel	Autumn	2	3
Global Marketing	Eckardt Thilo	Autumn	2	3
Heuristic Decision Making Strategies	Marewski J.	Autumn	4	6
Human Decision-Making and the SDGs	Vogt S.	Autumn	4	6
Integrated Marketing Communications	Prof. externe	Autumn	4	6
International Finance	Zhao Ziwei	Autumn	4	6
Investments	Cujean J.	Autumn	5	6
Luxury Marketing	Morhart Felicitas	Autumn	4	6
Managing Risk in Financial Institutions	Weigert Florian	Autumn	2	3
Market Microstructure	Riva F.	Autumn	2	3
Marketing Science	Christen Markus	Autumn	4	6
Mathematics for Economics and Finance	Schuerhoff Norman	Autumn	4	6
Mergers & Acquisitions / Corporate Structuring	Grognoz C. / Nikolov B.	Autumn	4	6
Optimization Methods in Management	Oeuvray Rodrigue	Autumn	4	6
Private Equity & Venture Capital	Dimopoulos Theodosios	Autumn	4	6
Quantitative Asset and Risk Management II	Alessandrini Fabio	Autumn	4	6
Topics in Finance	Balocchi Giuseppe	Autumn	2	3
Unethical Decision Making - Basics	Palazzo G. / Hoffrage U.	Autumn	2	3
Unethical Decision Making – Advanced	Palazzo G. / Hoffrage U.	Autumn	2	3
Advanced Data Analysis	Scheidegger S. (on leave) ; Karyampas D./ Didisheim	Spring	4	6
Advanced Programming	Scheidegger S. (on leave) ; Eftekhari A.	Spring	4	6
Asset Pricing	Bretscher L.	Spring	4	6
Derivatives	Bretscher Lorenzo	Spring	4	6
Empirical Methods in Finance	Jondeau Eric	Spring	4	6

Course	Faculty staff	Semester	H/W	C
Financial Analysis	Froidevaux Julien	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	Celentano Francesco	Spring	2	3
Valuation	Valta Philip	Spring	4	6

master of science in management

Course	Faculty staff	Semester	H/W	C
Advanced Issues in International & European Tax Law	Danon Robert	Autumn	2	3
Applied Corporate Strategy	Borghgi G. ; Poylo Marine. ; Barras N.	Autumn	2	3
Behavioral Economics	Santos Pinto Luis Pedro	Autumn	4	6
Business and Society - Corporate Sustainability	Philippe D.	Autumn	4	6
Data Science for Marketing	Schlager Tobias	Autumn	4	6
Data Science in Business Analytics	Vatter T.	Autumn	4	6
Digital Strategies and Innovation	Missonier S.	Autumn	4	6
Digitalisation of Purchasing and B to B Sales	Lacoste Sylvie	Autumn	2	3
Entrepreneurship & Strategy	Tsukanova Tatyana	Autumn	4	6
Entrepreneurship, Innovation and Control Systems	Davila Antonio	Autumn	2	3
Evidence-Based Management	Dietz J.	Autumn	4	6
Fraud and Business Process Analytics	Baumgartner Marcel	Autumn	2	3
Genes, Population and Evolution	Lehmann Laurent	Autumn	4	6
Global Marketing	Eckardt Thilo	Autumn	2	3
Heuristic Decision Making Strategies	Marewski J.	Autumn	4	6
Human Behavior and Evolutionary Inference	Efferson Charles	Autumn	4	6
Human Decision-Making and the SDGs	Vogt S.	Autumn	4	6
Integrated Marketing Communications	Prof. externe	Autumn	4	6
Leadership Development	Bendahan Samuel	Autumn	2	3
Luxury Marketing	Morhart Felicitas	Autumn	4	6
Managerial Decision Making	Hoffrage U.	Autumn	4	6
Marketing Science	Christen Markus	Autumn	4	6
Optimization Methods in Management	Oeuvray Rodrigue	Autumn	4	6
Organizational Theory and Decision Making	Grieder M.	Autumn	4	6
Programming Tools in Data Science	Orso Samuel	Autumn	4	6
Quantitative Methods for Management	Reboulleau Jérôme	Autumn	4	6
Risk Analytics	Chavez Valérie	Autumn	4	6

Course	Faculty staff	Semester	H/W	C
Social Norms Change	Vogt S.	Autumn	4	6
Strategic Management	Amer Maisttriau E.	Autumn	4	6
Strategic Management Control Systems	Derchi G. / Davila A.	Autumn	4	6
Strategic Marketing	Engeler isabelle	Autumn	4	6
Strategy and Development Modes	Castaner Xavier	Autumn	4	6
Strategy in Digital Markets	Peukert C.	Autumn	4	6
Strategy of Innovation	Peukert C.	Autumn	2	3
Supply Chain Management and its Latest Trends	Hameri Ari-Pekka	Autumn	4	6
Text Mining	Baumgartner Marcel	Autumn	2	3
Unethical Decision Making - Basics	Palazzo G. / Hoffrage U.	Autumn	2	3
Unethical Decision Making – Advanced	Palazzo G. / Hoffrage U.	Autumn	2	3
Advanced Data Analysis	Scheidegger S. (on leave) ; Karyampas D./ Didisheim	Spring	4	6
Advanced Programming	Scheidegger S. (on leave) ; Eftekhari A.	Spring	4	6
Advanced Project Management & Outsourcing in a Digital Era	Bienz Pius	Spring	4	6
Analytics in Operations Management	Lurkin Virginie	Spring	2	3
Bargaining and Negotiations	Efferson Charles	Spring	4	6
Behavior, Economics, and Evolution Lecture Series	Lehmann Laurent ; Santos Pinto Luis	Spring	4	6
Brand Management	Dabrowska-Leszczynska Agnieszka	Spring	2	3
Consumer Psychology	Petersen Francine	Spring	4	6
Developing Behavioral Insights and Nudging	Engeler Isabelle	Spring	2	3
Distribution Management	Eckardt Thilo	Spring	4	6
Environmental Crisis and Societal Changes	Palazzo Guido ; Vedjovsky Boris	Spring	2	3
Environmental Economics	Houde Sébastien	Spring	4	6
Forecasting 1	Baumgartner Marcel	Spring	2	3
Forecasting 2	Chavez Valérie	Spring	2	3
Grand Challenges Strategy Project	Haak Patrick	Spring	4	6
Group Processes	Krings Franciska	Spring	4	6
Innovation Law	Junod Valérie	Spring	2	3
International Strategy	Zanarone G.	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
Multicriteria Decision Analytics	Thiémarc M.	Spring	2	3
Power and Leadership	Tur Benjamin	Spring	4	6
Social Well Being	Petersen Francine	Spring	4	6

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Supply Chain Network Design and Planning	Stauffer Gautier	Spring	4	6
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3
Sustainable Logistics	Gallay Olivier	Spring	4	6
Sustainability Strategy Project	Aeschlimann S. ; Fischer C.	Spring	4	6

master of science in actuarial science

Course	Faculty staff	Semester	H/W	C
Actuarial Data Science	Nagler T.	Autumn	2	3
Actuarial Modelling	Hashorva Enkelejd	Autumn	4	6
Asset and Liability Management for Actuaries	Wagner Joel	Autumn	4	6
Blockchain and Crypto Economy	Ivliev S.	Autumn	2	3
Computational Tools for Actuaries	Zucchinietti Giovanni	Autumn	4	6
Credibility Theory	Smith Nathaniel	Autumn	4	3
Financial Accounting	Markarian Garian	Autumn	4	6
Insurance Analytics	Hieber Peter	Autumn	2	3
Insurance Economics	Wagner Joël	Autumn	2	3
Investments	Cujean J.	Autumn	5	6
Life Contingencies II	Ratovomirija G.	Autumn	4	6
Mathematics of Compound Interest	Tamraz M.	Autumn	2	3
Principles of Finance	Roger T.	Autumn	4	6
Probability and Stochastic Processes	Albrecher Hansjoerg	Autumn	4	6
Quantitative Methods for Actuaries	Loisel Stéphane	Autumn	5	6
Advanced Programming	Scheidegger S. (on leave) ; Eftekhari A.	Spring	4	6
Life Contingencies I	Dufresne François	Spring	4	6
Loss Models	Hashorva Enkelejd	Spring	4	6
Ratemaking and Claims Reserving	Hieber Peter	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	Autumn	2	3
Advanced Issues in International & European Tax Law	Danon Robert	Autumn	2	3

FACULTY OF BUSINESS AND ECONOMICS

Course	Faculty staff	Semester	H/W	C
Business and Society - Corporate Sustainability	Philippe D.	Autumn	4	6
Econometrics	Huber Martin	Autumn	5	7.5
Empirical Methods for Lawyers	Thoeni Christian	Autumn	4	6
Entrepreneurship, Innovation and Control Systems	Davila Antonio	Autumn	2	3
Finance Ethics	Fiole Eelco	Autumn	2	3
International Tax Disputes & Investment Treaty Arbitration	Danon Robert	Autumn	2	3
Leadership Development	Bendahan Samuel	Autumn	2	3
Managerial Decision Making	Hoffrage U.	Autumn	4	6
Microeconomics & Game Theory	Thoeni Christian	Autumn	4	6
Regulatory Economics	Thoeni Christian	Autumn	2	3
Topics in Finance	Balocchi Giuseppe	Autumn	2	3
Unethical Decision Making - Basics	Palazzo G. / Hoffrage U.	Autumn	2	3
Advanced Financial Analysis	André Paul	Spring	2	3
Advanced Project Management & Outsourcing in a Digital Era	Bienz Pius	Spring	4	6
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
International Corporate and Individual Taxation – International and European Perspective	Chand Vikram	Spring	4	6
International Tax Relation	P. Saint-Amans	Spring	2	3
Managing Contractual Relationship	Zanarone Giorgio	Spring	4	6
Political and Institutional Economics	Rohner Dominic	Spring	4	6
Power and Leadership	Tur Benjamin	Spring	4	6
Simple Rules for Leadership and Strategy: A Practical Approach	J. Marewski	Spring	4	6
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3

master of science in information systems

Course	Faculty staff	Semester	H/W	C
Data Mining and Machine Learning	Vlachos Michalis	Autumn	4	6
Digital Strategies and Innovation	Missonier S.	Autumn	4	6
Enterprise Data and Integration	Estier Thibault	Autumn	4	6
Ethical Business Modeling and Innovation Design	Avdiji Hazbi; Elikan Dina Wicht Pascal	Autumn	4	6
Information Security & Privacy	Huguenin Kevin	Autumn	4	6
Software Architectures	Garbinato Benoît	Autumn	4	6

Course	Faculty staff	Semester	H/W	C
Strategy in Digital Markets	Peukert C.	Autumn	4	6
Advanced Project Management & Outsourcing in a Digital Era	Bienz Pius	Spring	4	6
Business and IS Design	Legner Christine	Spring	4	6
Cloud and Advanced Analytics	Vlachos Michalis	Spring	4	6
Interaction Design	Cherubini Mauro	Spring	4	6
Management of AI in Organizations	Shrestha Y.	Spring	4	6
Research Introduction Seminar : Computer Science research Methodology	Garbinato Benoît; Humbert Mathias	Spring	2	3
Research Introduction Seminar : Qualitative research and Design Science research	Missonier Stéphanie ; Legner Christine	Spring	2	3
Sustainable Innovation Challenge	Petty Jeffrey	Spring	2	3
Technical and Economical Aspects of Cybersecurity	Humbert Mathias	Spring	4	6

SCHOOL OF BIOLOGY

UNDERGRADUATE COURSES

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

bachelor of science in biology

key
C

ECTS Credits

Course	Faculty Staff	Semester	C
BSc 2nd and 3rd year			
Chemosensory Perception : from Genes to Behaviour	Benton R.	Autumn	1
Sleep and Circadian Rhythms : from Molecules to Performance	Franken P.	Autumn	1
Case Studies in Conservation Biology	Wedekind C.	Spring	1
Introduction to the Analysis of Plant Lipids	Nawrath C.	Spring	1
Molecular Machines	Fasshauer D.	Spring	1
BSc 3rd year			
From Mutation to Gene Function	Santiago Cuellar J.	Autumn	2
Principles of Molecular Biophysics	Fasshauer D.	Autumn	2
Molecular Evolution	Robinson-Rechavi M.	Autumn	2
Population Biology and Conservation	Wedekind C.	Autumn	2,5
Advanced Molecular, Cellular and Developmental Biology module	Jean-Yves Roignant	Spring	9
- Molecular Basis of Cancer			
- Cell Cycle, DNA Replication and Recombination			
- Proteasome Degradation			
- Circadian Clocks			
- Introduction to Reading and Presentation of Scientific Literature			
- Post-transcriptional Gene Regulation and Recombination			
- Body Patterning			
- Understanding & Interpretation of Scientific Literature			
Genetics and Genome Evolution module	Alexandre Reymond	Spring	9
- Bioinformatics for Genomics			
- Epigenetics			
- Epistasis, Oligogenicity, Pleiotropy and beyond			

Course	Faculty Staff	Semester	C
<ul style="list-style-type: none"> - Genome Wide Association Studies - Evolution of Chromosomes - Cancer Genetics - Bacterial Genomes and Evolution - Structural Genomics and Mutation - Introduction to Quantitative Genetics 			
<p>The Dynamic Cell module</p> <ul style="list-style-type: none"> - Cilia: Cellular Antennae - Structure, Function, Evolution and Disease - Cell Cycle Control of Genome Duplication and Segregation - Dynamics and Organisation of the Plasma Membrane - Scientific writing - Evolution of the Eukaryotic Cell - Homeostasis of Proteins and Lipids in Intracellular Compartments - Cryo-Electron Microscopy in Cell Biology - Cell Division : When, Where, How? - Cell Division in Bacteria - Chloroplast Origin, Division and Dynamics - Bacterial Cell Cycle Regulation - Critical Reading of the Scientific Literature 	Stephan Gruber	Spring	9
<p>Biotic Interactions module</p> <ul style="list-style-type: none"> - Bacteria-Hosts - Fungi-Hosts - Endosymbionts and Bacterial Parasites - Bee Microbiome - Parasites - Plants-Insects - Viruses-Hosts - Practical Work : Introduction to Research - Journal Club 	Jérôme Gouttenoire	Spring	9
<p>Biology of Cancer module</p> <ul style="list-style-type: none"> - Introduction to Molecular Mechanisms of Cancer - Experimental Models and Approaches to Study Cancer - Genetics and Epigenetics of Cancer - Bioinformatics and modeling for personalized oncology - The Tumor Microenvironment and Immunotherapy 	Margot Thome	Spring	9

SCHOOL OF BIOLOGY

Course	Faculty Staff	Semester	C
<ul style="list-style-type: none"> - Tumor Metastasis - Metabolism of cancer - Presentation and Discussion of Scientific Articles - Introduction to the Understanding of Scientific Articles 			
Modelling in Biology and Bioinformatics module <ul style="list-style-type: none"> - Modelling / Bioinformatics Project - Mathematics in Biology - Introduction to Machine Learning - Introduction to Image Analysis - Advanced Programming and Algorithms - Bayesian Inference and Markov Models 	Nicolas Salamin	Spring	9

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
Concepts in Ecology	Bertelsmeier C.	Autumn	2
Concepts in Evolution	Schwander T.	Autumn	2
Data Analysis	Bergmann S.	Autumn	3
Introduction into Scientific Writing	Roulin A.	Autumn	2
Molecular Methods in Ecology and Evolution	Sanders I., Fumagalli L.	Autumn	6
Applied Ecology	Pellet J.	Spring	4
Co-evolution, Mutualism, Parasitism	Sanders I.	Spring	2
Current Problems in Conservation Biology	Wedekind C.	Spring	4
Ecology of the Fishes of Switzerland	Rubin J.-F.	Spring	2
Honeybee Ecology, Evolution and Conservation	Dietemann V.	Spring	2
Integrated course Mountain Ecosystems	Guisan A.	Spring	3
Phylogeny and Comparative Methods	Salamin N.	Spring	4
Sex, ageing and Foraging Theory	Mullon C.	Spring	2
Spatial Modelling of Species and Biodiversity	Guisan A.	Spring	4
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.	Autumn	2
Advanced Python Programming	Salamin N.	Autumn	3
Bacterial Genomes and Genome Evolution	van der Meer J.	Autumn	2
Bacterial Virulence and Pathogenesis	Greub G., Hauser P., Jacquier N., Jacot D.	Autumn	3
Biotechnology	Poirier Y., Resch G., vacat	Autumn	2
Chromosome Organization and Dynamics	Gruber S.	Autumn	2
CRISPR-Cas9 Genome Editing	van Leeuwen J.	Autumn	2
Development of the Nervous System	Braissant O.	Autumn	2
Fungal Virulence and Pathogenicity	Lamoth F., Coste A., Hauser P.	Autumn	2
Genomics, Proteomics and Quantitative Genetics	Franken P., Quadroni M., Marquis J., Gambetta M.C.	Autumn	3
Immunology and Infectious Diseases	Roger T., Perreau M., Di Domizio J.	Autumn	2
Mechanisms and Principles of Yeast Cell Biology	Vjestica A., Gasser S.	Autumn	2
Microbes as Tools in Experimental Biology	Coste A., Ciuffi A.	Autumn	2
Modeling of Plant Growth	Majda M.	Autumn	3
Molecular Mechanisms of Evolution	Benton R., Geldner N.	Autumn	2
Plant and Animal Domestication : from History to Molecular Mechanisms	Soyk S.	Autumn	3
Plant Functional Genetics	Poirier Y.	Autumn	2
Plant Interactions with Microbes and Insects	Keel C., Reymond P.	Autumn	2
Proteins : from Structural Determination to Molecular Dynamic Simulations	Santiago Cuellar J., Zoete V., Roehrig U., Cuendet M.	Autumn	2
Sequence a Genome I + II	Engel P, tutors	Autumn	7,5
Theory and Practice in Gene Expression Analyses	Gfeller D., Carmona S.	Autumn	3
Viral Pathogenesis and Emerging Viruses	Ciuffi A., Gouttenoire J., Cagno V.	Autumn	2
Virus-Host Interactions	Gouttenoire J.	Autumn	2
Write a Review	Benton R., tutors	Autumn	4,5
Advanced Population Genetics	Malaspinas A.-S.	Spring	3
Anti-Infective Agents	Lamoth F., Hauser P., Croxatto A., Ciuffi A., Jacot D.	Spring	2
Bioinformatic Algorithms	Dessimoz C., Gfeller D.	Spring	4
Epidemiology of Human Pathogens	Blanc D., Manuel O., Lamoth F., Senn L., Opota O.	Spring	2
Epigenetics and Cell Differentiation	Gasser S.	Spring	2
Epitranscriptomics and RNA Dynamics	Roignant J.-Y.	Spring	2

SCHOOL OF BIOLOGY

Course	Faculty staff	Semester	C
Industrial Bioinformatics	Xenarios I.	Spring	2
Metabolic Signaling Pathways in Health and Disease	Fajas L., Ziegler D., Geller S.	Spring	2
Microbiome Analysis	van der Meer J., Bertelli Lombardo C.	Spring	2
Microbiomes	van der Meer J.	Spring	2
Systems Microbiology: Genome-Wide (Chemical) Genetics in Bacteria	Veening J.-W.	Spring	4

FACULTY OF GEOSCIENCES AND ENVIRONMENT

GRADUATE COURSES

There are no undergraduate courses taught in English in this faculty.
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 science

Course	Faculty staff	Semester	C
Advanced Geospatial Data Analysis. Practical concepts and environmental applications	M. Tonini	Autumn	3
Advanced quantitative risk and vulnerability	Michel Jaboyedoff	Autumn	3
Alpine periglacial environments	Christophe Lambiel	Autumn	4
Applications of environmental science seminar series	Nathalie Chèvre (coord.), Marc-Henri Derron, Niklas Linde, Jürg Hünziker	Autumn	1
Communication on environmental risks	Michel Jaboyedoff	Autumn	3
Dates and rates of Mountain evolution	Georgina King	Autumn	4
Environmental time-series analysis	James Irving	Autumn	5
Environmental toxicology	Nathalie Chèvre	Autumn	3
Fluid flow and transport in the subsurface	Pietro De Anna	Autumn	6
Introduction to scientific programming (with Python)	Tom Beucler	Autumn	2
Machine learning for Earth and environmental Sciences	Tom Beucler	Autumn	5
Monitoring techniques for slope dynamics	Marc-Henri Derron	Autumn	5
Mountain streams; sediment management	Stuart Lane	Autumn	4
Principle of scientific data acquisition	C. Schmidt	Autumn	3
Remote sensing of Earth Systems	G. Antoniazza, Grégoire Mariéthoz	Autumn	5
Scientific computing	Yury Podladchikov	Autumn	5
Tracing biogeochemical processes and fluxes using isotope analysis	Torsten Vennemann	Autumn	2
Field and laboratory methods (II): Alpine catchments	Marie-Elodie Perga, Stuart Lane	Autum and Spring	5
Aquatic ecosystems: glaciers, rivers, and lakes	Stuart Lane, Marie-Elodie Perga, G. Antoniazza	Spring	5
Erosion and slope movements	Michel Jaboyedoff	Spring	5

key

C

ECTS Credits

*

Participation subject to certain conditions. Contact: manon.bourqui@unil.ch

Course	Faculty staff	Semester	C
Field and laboratory methods (I): The UNIL campus as a microcosm	Nathalie Chèvre (resp.) Jasmine Berg, Torsten Vennemann	Spring	5
Flood risk modeling	G. Antoniazza	Spring	5
GIS-based analysis for mountain geomorphology	Christophe Lambiel	Spring	3
Hazards and risks of slope mass movements: field camp	Marc-Henri Derron, Michel Jaboyedoff	Spring	5
Model parameter estimation and uncertainty quantification	Niklas Linde, Jürg Hunziker	Spring	5
Risk management (monitoring, early warning, post-disaster preparedness)	Michel Jaboyedoff	Spring	2
Risk quantification and insurance	M. Jaboyedoff, L. Marescot	Spring	2
Statistical analysis in environmental sciences	X. Dupla, O. Broennimann	Spring	3
Watershed and river network modelling	Nadav Peleg	Spring	5
Weather and climate dynamics	Daniela Domeisen	Spring	3

master of science in earth sciences

Course	Faculty staff	Semester	C
Chemical analyses and imaging technique for major and trace element	M. Robyr	Autumn	3
Construction and interpretation of cross-sections in complex deformed areas	J-L. Epard	Autumn	3
Data science	T. Sheldrake, J. Irving	Autumn	4
Economics and management of Earth Resources Exploration and Development	A. Moscariello	Autumn	2
Exploration methods	B. Quintal	Autumn	2
Fluids in the crust	M. Lupi	Autumn	4
From outcrop to 3d model	M.-H. Derron	Autumn	3
Geophysics across scales	G. Hetényi	Autumn	4
Life evolving with Earth	A. Daley, R. Martini	Autumn	4
Methods of isotope analysis	P. Nuriel, T. Vennemann	Autumn	3
Microtectonics	M. Robyr	Autumn	2
Physical-chemical mechanisms of geological processes	S. Schmalholz	Autumn	4
Simulating geological processes on computers and in the laboratory	Y. Podladchikov	Autumn	3
Surface processes and depositional environments from source to sink	S. Castelltort, E. Samankassou	Autumn	4
What can we learn from melt inclusions?	A.S. Bouvier	Autumn	2
Physical volcanology and volcanic risk	C. Bonadonna	Autumn and Spring	4
Applied mineralogy in resource exploration and modern technologies	K. Kouzmanov	Spring	2

Course	Faculty staff	Semester	C
Climate and paleoclimate: from deep time to Anthropocene	S. Jaccard, N. Zeyen	Spring	4
Data science	T. Sheldrake, J. Irving	Spring	4
Erosion and slope movement	M. Jaboyedoff	Spring	5
Field camp in Earth resources*	K. Kouzmanov, A. Moscariello, M. Lupi	Spring	3
Fluid and melt inclusions	Z. Zajacz	Spring	3
Gemmology	L. Cartier	Spring	3
Geo-energy exploration and development workflow	L. Guglielmetti	Spring	3
Geochemical cycles and rates of geological processes	M. Chiaradia , P. Nuriel	Spring	4
Geology of clays	T. Adatte	Spring	1,5
Great challenges in Earth and environmental sciences	J. Marin Carbonne, L. Caricchi	Spring	7
Integrated geo-energy seismic interpretation and 3D Modelling Workflows	A. Moscariello	Spring	3
Mineral, rocks and Magma	L. Caricchi, O. Müntener	Spring	4
Mountains belt in the field*	O. Müntener , J.-L. Epard	Spring	4
Ore deposit models	K. Kouzmanov, Z. Zajacz	Spring	4
Petrophysics and reservoirs	B. Quintal, A. Moscariello	Spring	3
Physical volcanology and volcanic risk	C. Bonadonna	Spring	4
Risk and desision making	C. Gregg, S. Menoni	Spring	4
Sedimentology analytics – Collecting, interpreting and presenting data	T. Adatte , R. Martini	Spring	4
Sedimentology, climate, paleontology et geomorphology Field camp*	A. Daley, S. Castelltort	Spring	4
Seismic risk	B. Duvernay, D. Fäh	Spring	3
Volcanic risk Field trip*	C. Bonadonna	Spring	4
Volcano Fieldtrip *	L. Caricchi, S. Pilet	Spring	2

* Prerequisites are mandatory for fields trips. Please contact the ELSTE coordinator for more information (manon.bourqui@unil.ch).

master of science in geography

Course	Faculty staff	Semester	C
Environmental and social safeguards project assessments	Gretchen Walters	Autumn	2
Thinking cities	Martin Müller, René Véron	Autumn	3
Analysis, visualisation and simulation of geographical networks	Céline Rozenblat	Spring	6
Building cities (only with compulsory course « Thinking cities »)	Martin Müller	Spring	3
Environmental management and livelihoods	Christian Kull	Spring	6

Master of science in biogeosciences

Course	Faculty staff	Semester	C
Soil and water chemistry	M. Keiluweit	Autumn	4
Statistical analyses in the environmental sciences	X. Dupla, O. Broennimann	Spring	3

Master of Arts in foundations and practices of sustainability

Course	Faculty staff	Semester	C
Key issues in climate science	Daniela Domeisen	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

	Course	Faculty staff	Semester	H/W	C
	Afropean lit and gender : Bernardine Evaristo	Valérie Cossy	Autumn	2	4
	Alice's Adventures in Wonderland : text, image, film	Martine Hennard Dutheil	Autumn	2	4
	American Gothic Literature	Agnieszka Soltysik Monnet	Autumn	2	4
	Anglo-American Literary Survey III	Rachel Falconer	Autumn	1	2
	Discovering Medieval Manuscripts	Denis Renevey	Autumn	2	4
	English Composition	Anita Auer, Boris Vejdovsky	Autumn	2	4
	Literary analysis: Sterne, Sentimental Journey	Valérie Cossy	Autumn	2	3
	Literary analysis: A Tale of Two Wives : Chaucer and Zadie Smith	Juliette Vuille	Autumn	2	3
	Literary analysis: Modernist Poetry	Nell Wasserstrom	Autumn	2	3
	Literary analysis: Oscar Wilde, Short Stories	Juliette Loesch	Autumn	2	3
	Literary analysis: Radical American Poetry	Benjamin Pickford	Autumn	2	3
	Literary analysis: Robert Macfarlane's The Wild Places	Rachel Falconer	Autumn	2	3
	Literary analysis: Shirley Jackson	Benjamin Pickford	Autumn	2	3
	Literary analysis: The Freedom of the Line: Walt Whitman's Leaves of Grass	Boris Vejdovsky	Autumn	2	3
	Literary analysis: The Interesting Narrative of Olaudah Equiano	Enit Steiner	Autumn	2	3
	Introduction to English language and linguistics (IELL)	Elvis Coimbra Gomes	Autumn	1	1
	Introduction to Literary Analysis	Nell Wasserstrom	Autumn	2	6
	Johnny Keats : Poetry and Letters	Rachel Falconer	Autumn	2	4
	Linguistics: Bilingualism	Esther de Leeuw	Autumn	2	4
	Linguistics: Language Attitudes: English around the World	Laura Tresch	Autumn	2	4
	Linguistics: Old Irish II	Marion Patricia Ronan	Autumn	2	4
	Medieval : Estates Satire in the Canterbury Tales	Rory Critten	Autumn	2	4
	Medieval : Introduction to Old Norse	Juliette Vuille	Autumn	2	4
	Medieval : Reading Old English Poetry	Juliette Vuille	Autumn	2	4

key

H/W

Hours per week

C

ECTS Credits

FACULTY OF ARTS

Course	Faculty staff	Semester	H/W	C
Medieval : The Monstrous Feminine in Middle English Literature	Lucie Kaempfer	Autumn	2	4
Medieval: The Boundaries of Love, 1200-1450	Diana Denissen	Autumn	2	4
Milton's Paradise Lost	Rachel Falconer	Autumn	2	4
Rebellious Middle-Aged Women in Late-Medieval Literature	Diana Denissen	Autumn	2	4
Synchronic Linguistics: Acoustic Analysis of Speech	Esther de Leeuw	Autumn	2	3
Synchronic Linguistics: English Dialects Past and Present	Anita Auer	Autumn	2	3
Synchronic Linguistics: Introduction to Discourse Analysis	Elvis Coimbra Gomes	Autumn	2	3
The Development of the English Language	Anita Auer	Autumn	1	1
The Gospels in Literature	Kirsten Anne Stirling	Autumn	2	4
The Seven Sages of Rome in England and the World	Rory Critten	Autumn	2	4
The Shakespeare Workshop	Kevin Curran	Autumn	2	4
Woolf and Joyce	Rachel Falconer	Autumn	2	4
Writing the Self in the Contemporary US	Agnieszka Soltysik Monnet	Autumn	2	4
Anglo-American Literary Survey 1&2	Kevin Curran, Enit Steiner	Autumn & Spring	1	2
English Composition	Anita Auer, Boris Vejdovsky	Autumn & Spring	2	4
Introduction to English language and linguistics (IELL)	Elvis Coimbra Gomes	Autumn & Spring	1	1
Introduction to Literary Analysis	Matthew Scully, Kirsten Anne Stirling, Boris Vejdovsky, Enit Steiner, Martine Hennard Dutheil, Philip Lindholm,	Autumn & Spring	2	6
Practicing English Proficiency - PEP	Elvis Coimbra Gomes	Autumn & Spring	1	
Beowulf and Its Analogues	Juliette Vuille	Spring	2	4
Discovering the West: Europe Through Indian Eyes (1750-1900)	Philippe Borne, Enit Steiner	Spring	2	4
EcoFiction	Agnieszka Soltysik Monnet	Spring	2	4
Ernest Hemingway and the Art of the Short Story	Boris Vejdovsky	Spring	2	4
Ethnic American Literature	Matthew Scully	Spring	2	4
Literary analysis: A Language of Place: Nature and Gender in British Women's Poetry	Fiona Lamon	Spring	2	3
Literary analysis: Charles Dickens, Great Expectations	Martine Hennard Dutheil	Spring	2	3
Literary analysis: Contemporary New Nature Writing	Rachel Falconer	Spring	2	3
Literary analysis: English Renaissance Drama	Kevin Curran	Spring	2	3
Literary analysis: Introduction to Comparative Literature	Martine Hennard Dutheil	Spring	2	3
Literary analysis: Modernist Poetry	Rachel Falconer	Spring	2	3

Course	Faculty staff	Semester	H/W	C
Literary analysis: tbd	Valérie Cossy	Spring	2	3
Literary analysis: The Early Fiction of Michelle Cliff	Agnieszka Soltysik Monnet	Spring	2	3
Literary analysis: Transatlantic Romantic Poetry	Philip Lindholm	Spring	2	3
Female Modernist Eroticisms	Rachel Falconer	Spring	2	4
Humanity according to Jane Austen and Mary Shelley	Valérie Cossy	Spring	2	4
Images of Early Medieval England in Romance and Hagiography	Christiania Whitehead	Spring	2	4
Lecture. Introduction to Medieval English	Rory Critten	Spring	1	1
Linguistics: Second Language Acquisition Theories	Elvis Coimbra Gomes	Spring	2	4
Linguistics: The Language of Jane Austen and her Contemporaries	Anita Auer	Spring	2	4
Linguistics: Topics in Syntax	Jessica Brown	Spring	2	4
Medieval : Emotion in Chaucer's Troilus and Criseyde	Denis Renevey	Spring	2	4
Medieval : Outsiders in Early Medieval Literature	Diana Denissen	Spring	2	4
Medieval : TBD	Juliette Vuille	Spring	2	4
Shakespeare's Sonnets	Kevin Curran	Spring	2	4
Synchronic Linguistics: Language History and Language Change	Anita Auer	Spring	2	3
Synchronic Linguistics: Second Language Learning and Variation in English	Jessica Brown	Spring	2	3
The influence of Colette on XXth c. English literature: translation, reception, criticism	Martine Hennard Dutheil	Spring	2	4
Workshop. Introduction to Medieval English	Rory Critten, Diana Denissen, Juliette Vuille	Spring	2	3

GRADUATE COURSES

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

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

master of arts, english department

Course	Faculty staff	Semester	H/W	C
Critical Approaches	Matthew Scully, Boris Vejdovsky	Autumn	2	5
Experiments in Theater, 1950 to the Present	Kevin Curran	Autumn	2	5
Introduction to New American Studies	Agnieszka Soltysik Monnet	Autumn	2	5
Jane Austen and the Romantics	Enit Steiner	Autumn	2	5
Language and Health Communication	Elvis Coimbra Gomes	Autumn	2	5
Language and Identity	Anita Auer	Autumn	2	5
Linguistics: Old Irish II	Marion Patricia Ronan	Autumn	2	5

FACULTY OF ARTS

key

H/W Hours per week
C ECTS Credits

Course	Faculty staff	Semester	H/W	C
Oikos : The Sense of Nature & Freedom in H.D. Thoreau's Walden	Boris Vejdovsky	Autumn	2	5
Queer Medieval ?	Rory Critten	Autumn	2	5
Reading and translating poetry / Lire et traduire la poésie / Gedichte lesen und übersetzen	Martine Hennard Dutheil, Irene Weber Henking	Autumn	2	5
Reading Race and Sex in American Literature	Matthew Scully	Autumn	2	5
Seamus Heaney's Elemental Poetry	Rachel Falconer	Autumn	2	5
Virginia Woolf, Colette, and the significance of the non human	Valérie Cossy	Autumn	2	5
Writing, Visions, and Altered States of Consciousness in Medieval English Literature	Denis Renevey	Autumn	2	5
New American Studies : final colloquium	Agnieszka Soltysik Monnet	Autumn & Spring		2
Participation in scientific conference	Agnieszka Soltysik Monnet	Autumn & Spring		3
American Countercultures	Agnieszka Soltysik Monnet	Spring	2	5
EcoPoetry and the Climate Emergency	Rachel Falconer	Spring	2	5
Environmental Crisis and Societal Change	Guido Palazzo, Boris Vejdovsky	Spring	2	5
Heroines on film	Mireille Berton, Valérie Cossy	Spring	2	5
Historical Sociolinguistics	Anita Auer	Spring	2	5
Ideas and politics of nature	Miriam Tola	Spring	2	3
Marlowe's Theater	Kevin Curran	Spring	2	5
Men and masculinity according to fiction around 1800 (Charrière, Constant, Austen, Shelley)	Valérie Cossy	Spring	2	5
Poetry in Public	Kirsten Anne Stirling	Spring	2	5
Reading, translating, transmediating: the case of Angela Carter	Martine Hennard Dutheil	Spring	2	5
Research Methodologies	Kirsten Anne Stirling, Jennifer Thorburn	Spring	2	5
Sex, Marriage, and Family in the Breton Lay in French and English, c. 1150-1500.	Rory Critten, Leticia Ding	Spring	2	5
Sociophonetics	Esther de Leeuw	Spring	2	5
Space and Environment in Late Medieval Literature	Denis Renevey	Spring	2	5
The Language of Obsessive-Compulsive Disorder	Elvis Coimbra Gomes	Spring	2	5
Tolkien's Environmental Vision	Rachel Falconer	Spring	2	5
Topics in Digital Linguistics	Jessica Brown	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
Accountability in EU multi-level governance	Papadopoulos Ioannis	Autumn	3
Behavioural Public Administration and Nudge Theory	Kirklies Pascale-Catherine, Neumann Oliver	Autumn	3
Contract Economics and Organization of Public Services	Athias Laure	Autumn	3
Digital government transformation	Mettler Tobias	Autumn	3
Economics and management of sport	Terrien Mickaël	Autumn	3
Empirical analysis of public policies	Grigoriou Christopher	Autumn	3
European governance and europeanization	Mathieu Emmanuelle	Autumn	3
Fiscal Federalism and Equalization	Köthenbürger Marko	Autumn	3
Fiscal Policy	Soguel Nils	Autumn	3
Institutions and governance strategies for dealing with complex problems	Trein Josef Philipp	Autumn	3
Introduction to applied econometrics	Grigoriou Christopher	Autumn	3
Managing diversity: from migration to integration policy	Fossati Flavia	Autumn	3
Managing regulation in modern government	Allio Lorenzo	Autumn	3
Public administration and international regulation	Deruelle Thibaud	Autumn	6
Seminar optional 4 : Artificial intelligence (AI) in the implementation of public policies	Bonoli Giuliano, Körtner John, Mettler Tobias, Trein Josef Philipp	Autumn	3
Use and misuse of expertise in public policy and administration	Trein Josef Philipp	Autumn	3
Policy Evaluation	Bundi Pirmin	Spring	3
Research methods	Fossati Flavia, Tobias Mettler	Spring	3

FACULTY OF LAW, CRIMINAL JUSTICE AND
PUBLIC ADMINISTRATION

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 Disputes & Investment Treaty Arbitration	R. Danon	Fall	3
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
History of Institutions and Political Ideas	M. Bocchiola	Spring	3
International Commercial Arbitration	A. Bonomi, E. Lein	Spring	6
International Corporate and Individual Taxation – International and European Perspective	V. Chand	Spring	6
International Human Rights Law	E. Schmid	Spring	6
International Law and its Relations with Domestic Legal Systems	E. Schmid	Spring	3
International Tax Relations	P. Saint-Amans	Spring	3