



Programs taught in English

Faculty of Arts and Social Sciences

Master Program

<http://www.es.uzh.ch/en/studies/MA/EnglishStudies.html>

- Master of Arts in English Studies
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Faculty of Science

Master Program

<http://www.mnf.uzh.ch/en/studium/master/hauptfaecher.html>

- Master of Science in Biochemistry
- Master of Science in Biology
- Master of Science in Biomedicine
- Master of Science in Biostatistics
- Master of Science in Chemical and Molecular Sciences
- Master of Science in Chemistry
- Master of Science in Chemistry and Business Studies
- Master of Science in Computational Science
- Master of Science in Earth System Sciences
- Master of Science in Environmental Sciences
- Master of Science in Geography
- Master of Science in Life Sciences
- Master of Science in Mathematics
- Master of Science in Medical Biology
- Master of Science in Neuronal Systems and Computation
- Master of Science in Physics
- Master of Science in Theoretical Astrophysics and Cosmology

Graduate Schools

<http://www.mnf.uzh.ch/en/studium/phd/programme.html>

- Life Science Zurich Graduate School
- Zurich Graduate School in Geography / Earth System Science
- Zurich Graduate School in Mathematics
- Graduate School in Chemical and Molecular Sciences Zurich
- Graduate School in Physics
- Graduate School for Computational Science and Astrophysics and Cosmology



Faculty of Business, Economics and Informatics

Master Programs

<http://www.oec.uzh.ch/en/studies/master.html>

Master of Arts in Business and Economics

- Master's Program in Banking and Finance
 - Master's Program in Business Administration**
 - Master's Program in Economics
 - Master's Program in Management and Economics
- ** (German, limited number of modules available in English)

Master of Science in Informatics

- Master's Program in Computing and Economics
- Master's Program in Data Science
- Master's Program in Information Systems
- Master's Program in People-Oriented Computing
- Master's Program in Software Systems

Doctoral Programs

<http://www.oec.uzh.ch/en/studies/phd.html>

Graduate School of Business

- Doctoral Program in Business Administration
- Doctoral Program in Management and Economics

- Doctoral Program in Economics
- Doctoral Program in Finance
- Doctoral Program in Informatics
- Doctoral Program in Neuroeconomics

Lectures and Seminars in English

Courses held in English or partly in English can be specified with the search function in the online course catalogue: <http://courses.uzh.ch/en>



Excerpt of Courses Taught in English at the Faculty of Arts and Social Sciences in the Spring Semester 2018*

Art History			
Level	Course Title	Lecturer(s)	ETCS
BA	Marxism and the Practice of Art History	David Young Kim	4
BA	Critical Approaches to Curating and Exhibiting of East Asian (Art) Objects	Natasha Fischer Vaidya, Alina Martimyanova	6
BA	Art and Ritual in East Asia	Natasha Fischer Vaidya	9
BA/MA	War and Peace in East Asian Art	Hans B. Thomsen	3
BA/MA	Global Movements and Japanese Art. Roles of Commodities and Trade Routes	Hans B. Thomsen	3

Chinese Studies			
Level	Course Title	Lecturer(s)	ETCS
BA	Readings in Tang Poetry	Mariana Zorkina	3
BA	Taiwan's history: from colonized territory to independent economic miracle	Simona Alba Grano	3
MA	tba	Helena Yuen-Wai-Wu	3

Computational Linguistics			
Level	Course Title	Lecturer(s)	ETCS
BA	Fundamentals of speech sciences and speech signal processing for students of linguistics and computer sciences	Volker Delvo	6
BA	XML Technologies and Semantic Web	Fabio Rinaldi	6
BA	Ontology Learning	Nora Hollenstein	3
BA	Linked and multilingual resources	Tanja Samardzic	6

General Linguistics			
Level	Course Title	Lecturer(s)	ETCS
BA	Morphologie	Erik van Gijn	3
BA	Semanik & Pragmatik	Damian Blasi	6



BA	Sprachvergleich B: Einführung in die Typologie**	Balthasar Bickel	6
MA	Quantitative Methoden	Chundra Cathcart	6
MA	Current Advances in Typology	Balthasar Bickel	3
MA	Sprachvergleich (Titel tba)**	Balthasar Bickel	6

Gender Studies			
Level	Course Title	Lecturer(s)	ECTS
PhD	Kinship, Sex and Gender	Nicolas Martin	3

History			
Level	Course Title	Lecturer(s)	ETCS
BA	Empires in modern Asia	Martin Dusinberre	3
BA	Myths and Legends in Ancient Greece	Stamatina Mastorakou	3
BA	1918	Flurin Condrau, Matthieu Leimgruber	3
MA	The Mother of all Pandemics: Influenza und die Transformation von Infektion im langen 20. Jhdt.	Flurin Condrau, Frédéric Vagneron	12
MA	Das Staunen der Welt? Friedrich II. aus der Sicht der Geschichtsschreibung	Claudia Zey	3
MA	Prose like a Pro: Academic Writing for History	Martin Dusinberre	3
MA	Joint ETHZ-UZH Research Colloquium in Global and Extra-European History	Martin Dusinberre, Harald Fischer-Tiné	3
MA	Masterkolloquium	Martin Dusinberre	3
PhD	Geschichtskontor	Gesine Krüger, Simon Teuscher Monika Dommann, Martin Dusinberre	2/4

Indology			
Level	Course Title	Lecturer(s)	ECTS
BA/MA	Islam and Muslims in South Asia	Nicolas Martin	6



MA	Translating Consciousness and its (Altered) States	Olga Serbaeva Saraogi	3
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Islamic Studies			
Level	Course Title	Lecturer(s)	ECTS
BA	Modern Thinkers of the Islamic World	Ulrich Brandenburg, Helena Rust, James Weaver	3

Media and Communication Science			
Level	Course Title	Lecturer(s)	ECTS
BA	The Web and Ethnic Minorities: Opportunity or Obstacle?	tba	4
BA	Digital Media and Young People	tba	6
MA	Digital Inequality	Eszter Hargittai	4
MA	Global Internet Governance	William Drake	4

Philosophy			
Level	Course Title	Lecturer(s)	ECTS
BA	Post-Truth and Alternative Facts?!	Hans-Johann Glock	4/6
BA	Klassiker der Praktischen Philosophie tba	Sara Amighetti	6
BA	Introduction to Philosophical Thought	Christoph Caspar Pfisterer	4
BA	The Second Person	Micha Gläser	4/9
BA	Theories of Direct Democracy: From Ancient Athens to Contemporary Switzerland	Alice Nour El-Wakil	6
BA	Philosophy of Economics	Catherine Herfeld	3/9
MA	Citizenship, Teil 2	Sara Amighetti	3/9
MA	Theories of justice and distributive conflicts in capitalist democracies	Francis Cheneval, Silja Häusermann, Stefanie Walter	3/9

Political Science			
Level	Course Title	Lecturer(s)	ECTS
BA	tba	Sara Amighetti	4
BA	Nationalism and Patriotism	Francis Cheneval	3/9



BA	Yemen: A Failed State?	Elham Manea	4
BA	Political Risk Analysis	Anne Mariel Zimmermann	4
BA	American Foreign and Security Policy in an era of radical uncertainty	Stefan Fröhlich	4
BA	Russian foreign policy and security doctrine since 1991	Natalia Lisenkova	4
BA	God Bless America! Religion, Politics, and Ideology	Bendix John	4
BA	Political Developments in Contemporary China: Democratic Opportunities and Challenges	Su Yun Woo	4
BA	Institutions for Sustainable Peace: Peacebuilding and Statebuilding	Andrea Iff	4
BA	Legislatures Compared	David Willumsen	4
BA	Africa: Democracy, development and conflict	Alfonso Sanchez	4
BA	Nationalismus und nationale Identität	Siyana Timcheva	4
BA	Democratization and transition in the post-soviet countries	Zarina Burkadze	4
BA	Political Culture	Erifylli Eirini Bertsou	4
BA	More than Cheese and Chocolate: Switzerland in the Modern World	John Bendix	4
MA	Political Islam and Islamist Movements in Arab MENA Region, Part II	Manea Elham	6
MA	Populism and Democracy	Hans-Georg Betz	6
MA	Data Visualization	Thomas Willi	6
MA	Applied Bayesian Statistics for Social Scientists	Marco Steenbergen, Lukas Stoetzer	6
MA	Politics of the European Union	Fabio Wasserfallen	6
MA	Invasive Parties: Where new parties come from and how they change party systems	Daniel Bischof	6
MA	Capitalism, Welfare, and Inequality Worldwide	Julian Garritzmann	6
MA	Comparative and EU Politics	Frank Schimmelfennig, Daniele Caramani	6

Psychology			
Level	Course Title	Lecturer(s)	ETCS
BA	Expertise and Expert Performance Across Adulthood	Ryan Best	4
BA	Cognitive Activities in the Real World	Burcu Demiray Batur, Minxia Luo	4
BA	Risk and Resilience in Development	Lilly Shanahan	4
BA	Individual and Team Behavior and Motivation at Work	Serge Pires Pires da Motta Veiga	4



MA	Konzepte und Theorien der kognitiven und affektiven Entwicklung über die Lebensspanne	Marko Katana, Jessica Oschwald	4
MA	Approach and Avoidance and Motivation Across the Lifespan	Alexandra M. Freund	4
MA	Cutting Edge Research in Human Cognition	Lea Bartsch, Peter Shepherdson	4
MA	Cognitive Foundations of Learning and Memory	Hanna Bettine Fechner	4
MA	Gästekolloquium DeNC (Guest Colloquium DeNC)	Moritz Daum, Rita Maria Kille	1
MA	Psychopathology: Depression	Clare Anne Killikelly	4
MA	Health Behavior from a Psychobiological Perspective	Rita Tatiana Amiel Castro Hannah Christina Süss	4
MA	The Psychology of Social and Organizational Justice	Grégoire Bollmann	4
MA	Self-Regulation and Health	Tania Bermudez	4
MA	Longitudinal Research Methods: The Study of Change	Gizem Hülür	4
MA	Programming Psychological Experiments in Python with PsychoPy	Hsuan-Yu Lin	4

Social and Cultural Anthropology

Level	Course Title	Lecturer(s)	ETCS
BA	Slum, Favela, Barrio: Informal Settlements in a Comparative Perspective	Eliza Isabaeva	6
BA	Extraction and its aftermath; mining, trading, and governing along supply chains	Stefan Leins	6
BA	Einführung in die Ethnologie 2: Methodenübung (Englisch)	Emmanuel Schäublin	4
BA	Rethinking Social Order	Dinara Abildenova	6
BA	Medical Anthropology	Clémence Jullien	6
BA	Memory and Oral History	Rivka Eisner	6
BA	Locating the Self in Doing Research	Sneha Banerjee	6
BA	Birth, Marriage and Death in South Asia	Clémence Jullien	6
MA	Anthropology of the State	Sandra Bärnreuther	6

Sociology

Level	Course Title	Lecturer(s)	ETCS
BA/MA	Introduction to experimental methods in the social sciences	Filipp Chapkovskii	4
BA/MA	Sociology of Dystopias	Michael Shanahan	9
BA/MA	Biologically-Informed Sociological Research	Michael Shanahan	9



MA	Network Analysis: Foundation and Applications	Malte Döhne	3
MA	Introduction to Structural Equation Modeling	Eldad Davidov	3
MA	Research Seminar on social theory and quantitative methods	Heiko Rauhut	12

*** This list is not exclusive. Only information given by the departmental coordinators are binding.**

**** This course is only partially taught in English**



Faculty of Law

Lectures conducted in English – Spring Semester 2018

Title of Lecture/Module	ECTS	Lecturer(s)	Content/Link
Big Data: Technology and Law	6	Abraham Bernstein Florent Thouvenin Eftychia Vayena	Data processing technology has gone through massive changes in the past years. Daily, billions of search queries are handled, millions of messages are posted on social networks, a myriad of shopping baskets are collected at online retailers, our smartphones continuously collect movement data, and some of us subscribe to the quantified self via fitness trackers or smartwatches - Big Data is collected everywhere and at all times. The collection of these data offers enormous opportunities but also entails both ethical and legal challenges. This course provides participants with an interdisciplinary view on Big Data and its capabilities. The course consists of two parts. It will first introduce the technological (i.e., data processing, data storage, and data mining), legal (i.e., data protection and data ownership), and ethical (i.e., challenges to ethical values such as transparency, accountability, autonomy and solidarity that emerge from data collection and use) theoretical foundations needed to understand the Big Data phenomenon and reason about its potential and the challenges it generates. In the second part, students will work on a cross- disciplinary Big Data project within interdisciplinary teams of students from across the University, write-up a paper or provide other scientific output on a technical, legal or ethical Big Data challenge (e.g. develop a website, wiki, app, interactive analysis, or the like) and present their findings at a one-day workshop.
European Institutions	6	Christine Kaufmann	Selected questions of institutional law of the European Union and of the bilateral relations between the European Union and Switzerland - discussion of actual developments in legislation and jurisdiction of the EU.
Internet Law	6	Florent Thouvenin	Students will gain a deeper understanding of various internet-specific legal issues, namely in the area of Internet Governance, Privacy/Data Protection, E-commerce, Competition Law and Intellectual Property; the focus will be (mostly) on European Law. The course consists



			<p>of three parts:</p> <ol style="list-style-type: none"> (1) seven introductory lectures in February/March; (2) writing of the paper in March/April; and (3) a two-day recess in early May. During the recess, the students will have to present their findings and discuss them with the professor and their fellow students.
<p>Juristische Zeitgeschichte (Contemporary History of Law)</p>	6	<p>Elisabetta Fiocchi Malaspina</p>	<p>The course will focus the attention on the 16th to the 20th centuries, scrutinizing the «modern» development of State's theories and the creation of the international law system; the complex and contradictory relations between violence and law, between war and law, between race and law, between (in)equality of man and law and finally between economy and law. The course will outline and analyse the legal consequence of entanglements, interactions, collisions of law and relate this to the nature and construction of the social order from a historical perspective. Reading of primary sources combined together with a critical reconstruction on law and jurists in their context will be done during the course.</p>
<p>International Commercial Arbitration (Wirtschaftsrecht)</p>	3	<p>Ulrich Haas, Felix Dasser, Martin Bernet, Daniel Girsberger, August Reinisch</p>	<p>This course provides students with a level-appropriate overview of the basics and practice of arbitration, thus enabling an insight into a particularly significant conflict resolution tool in international economy. Presentations held by experienced, internationally active experts ensure a high practical orientation.</p>
<p>International Commercial Arbitration (Legal Practice) & Workshop International Commercial Arbitration</p>	6	<p>Ulrich Haas, Felix Dasser, Martin Bernet, Daniel Girsberger, August Reinisch Anne Hossfeld Annett Rombach</p>	<p>This course provides students with a level-appropriate overview of the basics and practice of arbitration, thus enabling an insight into a particularly significant conflict resolution tool in international economy. Presentations held by experienced, internationally active experts ensure a high practical orientation.</p> <p>In the workshop, practical issues in International Commercial Arbitration will be discussed.</p>
<p>International</p>	6	<p>Christine Kaufmann</p>	<p>The course addresses different forms of economic cooperation in public international law. It will discuss the multilateral world trade system (WTO), international investment regulations,</p>



Economic Law			environmental law and international monetary law.
International Finance Law	6	Samuel Kern Alexander	This course has been specially designed to examine the role of financial law and regulation in the operation of financial markets. It is also designed to contribute to enhanced understanding of the rationale, methods and institutional design of the regulation and supervision of financial markets.
International Human Rights (Internationaler Menschenrechtsschutz)	6	Christine Kaufmann	The course will provide an overview of the current international human rights regime, which will be complemented by a second part focusing on the existing and emerging rules on corporate responsibility of multinational enterprises. After an introduction covering the basic mechanisms of human rights protection we will discuss the role of non-state actors and – in more detail – multinational corporations. The course will also address current human rights issues.
Introduction to Sports Law	6	Ulrich Haas Jan Elmar Kleiner	The course will cover the following topics: sports organisation and governance, rules and regulations (including financial stability, anti-doping and fight against match-fixing), dispute resolution.
Introduction to US Business Law	6	Andreas Kellerhals	The lecture provides an introduction and outline of the most important commercial law regulations in the United States. After an introduction to the American legal system and the main "players" in it, individual fields and regulations of Business Law will be studied in-depth and compared to regulations in the EU and Switzerland. It is planned to call in US-American lawyers for individual lectures.
Introduction to U.S. Civil Procedure	6	Samuel P. Baumgartner	Introduction to U.S. civil procedure. We will focus particularly on those aspects of U.S. civil procedure that are quite different from continental European civil procedure and, in some cases, different from civil procedure anywhere else in the world.
Islamic and Middle	6	Andrea Büchler	"Islamic and Middle Eastern Law" gives an overview of classical Islamic law and its current development and application in Middle Eastern countries. Besides studying the historical



Eastern Law			and political foundations, the Sunni law schools and the methodological aspects of Islamic law, particular fields of law, as Islamic criminal and medicine law are also taken into account. Islamic family law is a main focus of this module since it is the field of law which is being applied in most of the countries in the Middle East in a nearly classical form.
Legal Sociology	6	Christoph-Beat Graber	In this course basic problems of the relationship between law and society will be discussed. Historical, methodological and epistemological issues will play an important role in the discussions. Concrete questions of the present debate about the function and meaning of law in the modern legal systems will need to be answered. The importance of the sociology of law in different forms of legal work will be discussed with the help of practical examples.
Selected topics in public international law: History of International Law	6	Oliver Diggelmann	The course provides a survey of the history of international law from the late middle ages to the 20th century. It deals with topics such as colonialism and international law, rise of the territorial state and of the concept of sovereignty, development of the law on the use of force and of the law of diplomatic relations etc. The aim of the course is to deepen the students' understanding of contemporary international law by showing the historical background against which its institutions developed.



List of English Courses fall term 2017 and spring term 2018

Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	BOEC0365	A non-technical introduction to R (L)	Lecture	3	BA		x	x	People that use data analytics often spend more than 80% of their time with collecting, cleaning, and organizing data and only 20% with applying statistical models.	Written exam, every day 10:00-10:30h, except 23.02.2018.
Business Administration	BOEC0275	A primer in Entrepreneurship (L)	Lecture	3	BA			x	This Course provides an introduction to the process of turning ideas into business. In particular on commercializing research and technology ideas grounded in research and technology.	Written examination expected: 18.12.2017, 12:15-13:45.
Business Administration	MOEC0475	Advanced Business Valuation (L)	Lecture	3		MA		x	The aim of this course is to teach students to address a wide range of valuation situations by being able to critically evaluate and apply the variety of valuation techniques used in practice.	Written examination (75'), closed book, expected on 10.01.2018, 8-10 pm.
Business Administration	MOEC0213	Advanced Financial Accounting (L+E)	Lecture with Exercises	6		MA	x		This course provides an introduction to advanced financial accounting, covering topics such as corporate investments, business combinations, and other complex business transactions.	Written exam on 19.6.18, 10:00-12:00
Business Administration	MOEC0409	Advanced Marketing Mix Modeling	Lecture	3		MA	x		Choice comes in many varieties and forms. It can be discrete in the sense of the selection of just one item or multiple items.	Presentation, and written documentation of a case study (numerical exercise based on a published paper), and active class participation.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0480	Advanced Topics in Business Valuation (S)	Seminar	3		MA	x	x	In this course students will face the challenge of valuing difficult-to-value companies.	One written report in the form of approx 20 slides done in small groups, presentation and discussion, participation during the seminars as well as the introductory session.
Business Administration	MOEC0481	Agent-based modeling for Business, Economics and Social Science (L)	Lecture	3		MA	x		The goal of the course is to give Master students an advanced, yet practical, knowledge of agent-based modeling for marketing, economics, social science and computer science (or informatics).	Homeworks (50%), Final work and Presentation (50%), Monday, 14 May 2018, 10:00-12:00
Business Administration	MOEC0508	Applied Business Modelling and Analytics, Part I (Programming Bootcamp)	Seminar	3		MA	x		In this seminar real business cases (involving real data sets) are solved using Mathematica. First, there will be training sessions and applications (exemplary cases) to be discussed in class. Afterwards, cases are assigned as term projects.	Homework assignments (40%), Final exam (60%); Final exam: 09.03.18, 13:00 - 16:00
Business Administration	MOEC0510	Applied Business Modelling and Analytics, Part II (Machine Learning for Managers)	Seminar	3		MA	x		Machine learning techniques are becoming ubiquitous wherever data is to be found in business, government, and the NGO sectors.	Grades will be based on class participation and a take home exam.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0509	Applied Business Modelling and Analytics, Part III (Case Studies)	Seminar	6		MA	x		In this seminar real business cases (involving real data sets) are solved using Mathematica. First, there will be training sessions and applications (exemplary cases) to be discussed in class. Afterwards, cases are assigned as term projects.	Homework assignments (20%), Term project (80%)
Business Administration	MOEC0380	Applied Empirical Methods for Business Administration	Lecture with Exercises	6		MA		x	This course aims to provide master students in business administration with both the knowledge and a critical understanding of standard statistical methods applied in modern management.	Assignment and written examination on 18.01.2017, 16:15 - 18:00.
Business Administration	MOEC0456	Big Data and Business Analytics	Seminar	6		MA	x	x	This course provides a gentle introduction to some of the most important methods of business analytics used in industry.	Although no in-class examination will be held, participants will be required to complete a final empirical project that involves training a prediction model. (Students are encouraged to use R when completing this project.)
Business Administration	BOEC0123	Corporate Entrepreneurship (S)	Seminar	3	BA		x	x	Corporate entrepreneurship refers to entrepreneurial activity that occurs in established firms which compete in technologically sophisticated markets and search for entrepreneurial opportunities.	To obtain the credit points, the following requirements have to be fulfilled: Presentation (30%), Summary (30%), Quiz (30%), Active participation during the seminar (10%)



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0467	Demystifying the role of data science for marketing: What do you actually do in the sexiest Job of the 21st Century?	Lecture	3		MA	x		The growing interest in data-driven decision making is due to two developments: (1) the increasing difficulty to maintain a competitive advantage and (2) the wealth of information collected in corporate databases.	Written exam; expected date Tuesday 19 June 2018
Business Administration	MOEC0476	Economics of Gender in Education and Labor Markets (S)	Seminar	6		MA	x		All over the world, we observe different economic outcomes for men and women. This course uses economic theory and analysis in order to explain these differences in outcomes focusing on educational attainment, career choices, and earnings.	The class grade will be determined based on the student's seminar paper and its presentation (50%), homework (40% of the grade), and class participation (10% of the grade). To pass the class a student needs to have a passing grade in each of these compone
Business Administration	MOEC0442	Empirical Corporate Governance	Lecture	3		MA	x		This lecture provides a scientific and empirical treatment of topics in corporate governance.	Written open book exam on Wednesday, 11 April, 12:00-14:00h.
Business Administration	MOEC0461	Experimental Research Design for Business Research (S)	Seminar	3		MA		x	With this course, we will focus on experiments in Higher Education Research, targeting questions such as how to increase the likelihood of university attendance, what influences student performance and retention, or how to increase teaching and research outcomes.	Presentation in Class, Class Participation.
Business Administration	BOEC0382	Financial Reporting (L+E)	Lecture with Exercises	3	BA		x		Introduction to corporate financial reporting.	Written exam 60 minutes Messe Zurich: http://www.oec.uzh.ch/de/exams-messe



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0375	Global Strategic Management	Lecture	6		MA		x	The overall theme of the course is understanding the MNE: how it is structured, how it competes, and how we explain persistent differences in performance between the MNC and its various rivals.	Mandatory exercises (Pass or Fail) and Exam on 18.01.2018, 10:00-12:00.
Business Administration	MOEC0277	Intercultural Management: Cultural dimensions of international management (L)	Lecture	3		MA	x		Session I: Understanding culture - Definitions of culture - Some key characteristics of culture Session II: Comparing culture - Cultural dimensions - Measuring values - The six cultural dimensions of Hofstede model - Other culture models.	Final exam, 18.06.2018, 16:00-18:00h.
Business Administration	BOEC0330	International Management	Lecture	3	BA			x	This course provides students with a framework to understand the key challenges of international management and work effectively in today's global environment. The goal is to provide the foundations for taking effective action in the world of international business.	Exam on 11.01.2018 14:00-16:00.
Business Administration	MOEC0471	Introduction to Mergers and Acquisitions (L)	Lecture	3		MA	x		Firms engage yearly in thousands of mergers and acquisitions. Acquisitions can add new competences, enable entries to new markets and, in some instances, even restructure whole industries.	In order to pass the course, students need to pass the final examination. Final grades will be based upon the examination only. Exam date: 20.6.18, 10-12h
Business Administration	BOEC0375	Introduction to Operations research: Convex Optimization (Mathematics III) (L+E)	Lecture with Exercises	6	BA			x	Students are introduced to the theory and applications of convex optimization.	Homework (25%) and written final exam (75%) on 19.1.18, 10:00-12:00h.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0470	Introduction to Operations Research: Stochastic Models (L+E)	Lecture with Exercises	6		MA	x		Students will be exposed to a variety of methods to analyze decisions under uncertainty.	Homeworks (25%) and written final exam (75%). Exam date: Tue 12.6.18, 14-16 h.
Business Administration	BOEC0352	Introduction to Strategic Management	Lecture with Exercises	6	BA		x		The course introduces the concepts, tools, and principles of strategic management in multinational enterprises.	The grading is based on the final exam and the participation in the mandatory simulation game. Date for exam: 13.6.18, 14:00-16:00
Business Administration	MOEC0486	Machine Learning - A non-technical introduction	Lecture	3		MA		x	Since the amount of available data is steadily increasing, smart data analysis will become more and more important in the future. This course introduces Machine Learning in a non-technical, hands-on way with integrated exercises and group works.	Individual evaluation based on contribution in class, multiple-choice tests and exercises.
Business Administration	MOEC0413	Managing Education and Training in Firms/for Firms	Lecture	3		MA	x		This course views education and training in firms from an economic perspective with a particular focus on factors that are exogenous to a firm, such as national labor market institutions and educational policy.	Written examination, expected date 28.5.18, 8:00-10:00.
Business Administration	MOEC0459	Managing Higher Education Institutions	Lecture	3		MA		x	This course will address how HEIs should and can be managed given the high degree of academic freedom and Humboldt's university ideals.	Final Exam on 9.1.18, 14:00-16:00h.
Business Administration	BOEC0377	Marketing Analytics (L+E)	Lecture with Exercises	3	BA		x		This course is an introduction to marketing analytics. Today, companies heavily rely on data-driven marketing to better understand the needs of their customers.	Multiple Choice Tests on 22.2.18, 16:15-17:45 and exercises.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0516	Marketing Experiments (S)	Seminar	3		MA	x		Given the advancing digitization of customer-firm interactions, large-scale field experiments have become an increasingly feasible way to gain marketing insights.	Homework (60%) and final paper (40%)
Business Administration	MOEC0066	ME Seminar Personnel Economics and Empirical Analysis, Part 2	Seminar	6		MA		x	The research seminar is divided in two parts. We will analyze topics in business economics and we will assess the relevance and the usability of different theories with own empirical research.	Presentation of Milestones, Term Paper and Paper Presentation.
Business Administration	MOEC0052	ME Seminar: Personnel Economics and Empirical Analysis, Part 1	Seminar	6		MA	x		The research seminar is divided in two parts. We will analyze topics in business economics and we will assess the relevance and the usability of different theories with own empirical research.	Introductory exam, paper analysis, essay, term paper, stata homework, and presentations. Class attendance and class participation are also considered in the final grade.
Business Administration	MOEC0249	ME1: Personnel Economics	Lecture with Exercises	6		MA		x	http://www.business.uzh.ch/professors/emap/teaching.html	The course includes four mandatory assignments. Written final exam (closed book) on Jan 9th 2018, 8-10.
Business Administration	MOEC0211	ME2: The Economics of Innovation (L+E)	Lecture	6		MA	x		This course discusses the economics behind innovation. In particular issues related with the incentives to innovate and the business strategies associated with innovation.	No take-home exercises; only a written exam. Written exam on June, 19, 2018, 10:15 h.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Business Administration	MOEC0259	ME4: Accounting and Economics (L+E)	Lecture with Exercises	3		MA		x	This course covers both financial and managerial accounting theory, with an emphasis on the role of accounting as an information source and its usefulness for facilitating and influencing decision making.	Written examination (60'), closed book on 19.12.2017, 12-2 pm.
Business Administration	MOEC0426	Network Theory and Analytics (L)	Lecture	3		MA		x	The goal of the course is to provide Master students an introduction into applied network science in marketing.	Active participation, assignments given in class, multiple choice tests, peer evaluation.
Business Administration	MOEC0306	Organization Theories	Lecture	3		MA	x		Given the complexity of organizations, it is not surprising that there is a plurality of theories offering different perspectives for studying organizations.	1-hour exam at the end of the semester. Expected date: 14.6.2018, 14:00- 15:00.
Business Administration	BOEC0373	Personal Branding and Social Media Marketing (L)	Lecture	3	BA			x	In this course, we'll focus on personal branding through internet and social media tools. Personal branding is an important tool for individuals, jobseekers and young startup companies to define, communicate and sell their strongest attributes and uniqueness to a target audience.	Multiple Choice Exam on 20.12.2017, 12:00-14:00h.
Business Administration	MOEC0406	Political Economy of Accounting and Standard Setting	Seminar	3		MA		x	In this course students will study and discuss research papers on the political economy of accounting and standard setting. Specific topics will include how accounting regulators set standards and how firms use accounting choices for political goals.	The students will be evaluated on their final presentation of the research papers. They must demonstrate in-depth understanding of the topic and critical thinking abilities.



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Business Administration	MOEC0496	Python – A non-technical introduction	Lecture	3		MA		x	This class will prepare you for certain challenges by applying a non- technical approach. Meaning we start every unit with "real-world" questions and explain key programming concepts "on the way" while discussing the solutions to these questions.	Individual evaluation based on contribution in class, multiple-choice tests and exercises.
Business Administration	MOEC0477	R – A non-technical introduction to big data techniques, team work and interactive visualization (L)	Lecture	3		MA	x		Data-driven decision making gets increasingly important in today's fast-paced business environment. Three aspects are key to succeed in data- driven decision making: handling "big data", team collaboration and (interactive) visualization.	Individual evaluation based on contribution in class, multiple-choice tests and exercises.
Business Administration	MOEC0495	Reinforcement Learning for Economists and Managers (S)	Seminar	3		MA		x	This course will focus on developing intuition and getting students hands-on experience in using reinforcement learning rather than developing the mathematical theory.	Grades will be based on class participation and a take-home exam.
Business Administration	MOEC0421	Selected Topics in Financial Accounting (S)	Seminar	3		MA	x		Preparing and presenting current research topics in financial accounting.	Two written seminar papers (two pages each), presentation and discussion, participation during the seminar as well as the introductory session.



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Business Administration	MOEC0494	Social Media Marketing (S)	Seminar	3		MA		x	This course provides an introduction to modern marketing thinking, the integration of traditional and new media, techniques and applications to real world problems.	Participation, discussion, presentation.
Business Administration	MOEC0518	The economic effects of immigration (S)	Seminar	3		MA	x		In this class we will study the literature regarding the economic effect of immigration. We will cover the microeconomic and macroeconomic effect with special emphasis on unskilled immigration.	Presentation (50%) and a term paper (50%).
Business Administration	MOEC0328	The economics of human capital (L+E)	Lecture with Exercises	6		MA		x	This course discusses investment in (cognitive and non-cognitive) skills and its relationship to economic success.	The class grade will be determined based on final exam (on 21.12.2017, amounting to 20% of the grade), homework (40% of the grade), class project/presentation (30% of the grade), and class participation (10% of the grade).
Business Administration	MOEC0443	The Economics of Sports: Current Research Topics	Seminar	3		MA	x		This seminar focuses on scientific publications in the field of sports economics.	Presentation of a scientific publication, written referee reports and active participation during the seminar. Attendance is compulsory.



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Business Administration	MOEC0365	The Economics of Sports: Governance and Markets	Lecture	3		MA		x	The lecture provides comprehensive coverage of key issues in the economics of sports, including the governance structures of professional team sports and the interrelation between professional sports and adjacent markets.	Written exam on 15.01.2018, 16:00-18:00 h.
Business Administration	MOEC0166	The empirical Economics of Innovation and Patenting (S)	Seminar	3		MA	x		Innovation is widely believed to be a key long-term driving force for competitiveness and growth of firms and national economies as a whole.	Seminar paper (summary of max. 10 pages) (30%) Presentation (30%) Handout (10%) Active participation during the seminar (30%)
Business Administration	MOEC0117	The practice of entrepreneurship (S)	Seminar	6		MA		x	The goal of the course is to enable students to effectively write their own business plan.	Examination: 1. Sales pitch 2. Final exam (full business plan) presentation, expected 30.11.2017 3. Oral participation
Business Administration	MOEC0137	The Practice of Strategy	Seminar	3		MA		x	This seminar is primarily research-oriented and aims to provide students with the foundations to understand the practice-based approach to studying strategy.	1. Presentation of papers 2. Active participation in class discussion 3. Seminar essay
Business Administration	MOEC0519	Topics in Computational Mathematics (S)	Seminar	3		MA	x		This course teaches the use of mathematical software (in particular, Mathematica) for solving problems from economics and Finance. Major skills include understanding the algorithmic nature of problems and their implementation using the Wolfram Language.	20% Homework assignments, 80% Term project; due date term paper 01.07.18, 11pm



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Economics	BOEC0372	Accounting models of corporate credit-scoring (S)	Seminar	3	BA		x		In this course students will analyse and apply the main models of corporate credit scoring in order to identify the key drivers of default risk. The main focus will be on the original Z-score model and the O-score model.	One written report in the form of approx 20 slides done in small groups, presentation and discussion, participation during the seminars as well as the introductory session.
Economics	MOEC0236	Advanced Industrial Economics (L+E)	Lecture	6		MA	x		Advanced treatment of the theory of imperfectly competitive markets, with applications to competition policy and product market regulation. Introduction to working with academic papers in this topic.	Written final exam (80%): 14.06.2018; A Homework Assignment (20%).
Economics	MOEC0490	Advanced Industrial Organization and Competition Policy (S)	Seminar	3		MA		x	In the seminar, we discuss recent developments in industrial organization. The focus will be on papers related to competition policy. We shall also emphasize research on behavioral industrial organization.	Short exam (20%) on 12.10.17, 14:00-16:00h, Seminar presentation and written summary (60%), Discussion (20%).
Economics	MOEC0119	Advanced Macroeconomics (L+E)	Lecture with Exercises	6		MA		x	Neoclassical Growth with Infinite Horizons, Overlapping Generations Models, AK Models, Models with expanding varieties (horizontal innovations), quality ladders (vertical innovations). Public Infrastructure and Growth. Human Capital and Growth.	Final exam (FE) on 9.1.2018, 8:00-10:00h Midterm exam (MT). 08.11.17, 14:00 - 15:45h.
Economics	MOEC0214	Advanced Microeconomics 2 (L+E)	Lecture with Exercises	6		MA	x		The core topics of the lecture are consumer theory (under certainty and uncertainty), production theory, as well as general equilibrium theory.	Written exam on June 20, 2018



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Economics	MOEC0248	Advanced Microeconomics I (L+E)	Lecture	6		MA		x	The course first covers the standard topics in non-cooperative game theory such as normal and extensive form games, repeated games, and games with incomplete information.	Date of written exam: January 17, 2018.
Economics	MOEC0303	Advanced Statistics	Lecture with Exercises	6		MA		x	This course covers aspects of probability theory and statistical methods at a higher level than previous courses in the bachelor. These aspects will be crucial knowledge for those students who wish to continue with a PhD in economics afterwards.	Written exam on 15.01.2018, 16:00-18:00.
Economics	MOEC0482	Big Data Methods for Economists (S)	Seminar	3		MA	x		The seminar provides an introduction to, and hands-on experience with, statistical big-data tools for modeling and understanding complex datasets. Topics include regression trees, LASSO, polynomial regression, and cross-validation. We use the software R.	Paper (60%), presentation and participation (40%)
Economics	MOEC0497	Business Cycle Theory (L)	Lecture	3		MA		x	This lecture aims at providing first answers to questions around the following topics: Business cycle facts: What are the empirical properties of the business cycle? How do applied economists monitor the business cycle in real time?	Written exam, 11.1.2018, 8-10 am.



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Economics	BOEC0343	Development Economics (L+E)	Lecture	6	BA			x	This course provides a survey of the basic methods and insights of development economics. It links theoretical, empirical and historical aspects and also sheds light on the results of current research.	Problem sets (20%), final exam (80%). Written examination on: 10.01.2018, 08:00 - 10:00.
Economics	MOEC0307	Distribution and Growth (L + E)	Lecture with Exercises	6		MA	x		In this lecture the sources and consequences of income and wealth inequality in industrialized and developing countries are discussed. The main focus is on the macroeconomic relationship between distribution and growth.	Written exam, date 12.06.2018, 14:00-16:00.
Economics	MOEC0434	Econometrics for Policy Analysts (L+E)	Lecture with Exercises	6		MA	x		When does a policy achieve its intended goals, and when does it not? How can we use data to answer this question? How do we "translate" what the data shows into language that a policy-maker or the public can easily understand?	Written exam (50%) (date 21.6.18, 10-12h), Written Homework Assignments (40%), Participation (10%).
Economics	MOEC0511	Econometrics for Policy Analysts: Cases (S)	Seminar	3		MA	x			Paper presentation
Economics	MOEC0445	Economics of Health and Wellbeing	Lecture	3		MA	x		This course focuses on the recent empirical literature on the causes and consequences of socio-economic differences in health and wellbeing. Health and wellbeing are central dimensions of inequality in our society.	Written exam expected on 11.6.2018, 14:00-16:00.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Economics	MOEC0021	Empirical Methods (L+E)	Lecture with Exercises	6		MA		x	The course has two primary objectives. First, it explores the standard tools of modern empirical economic research. Second, it aims at sharpening your understanding of the prospects for, and limitations of, valid causal inferences from observational data.	20% problem sets, 80% exam. Written examination on 18.12.17, 12:00- 14:00h.
Economics	MOEC0500	Empirical Monetary Policy Analysis: Applications in Time Series Modelling	Seminar	3		MA		x	The course introduces univariate and multivariate time series models to analyze macroeconomic and financial data, with an emphasis on applications in monetary policy analysis.	The grade is the average between the grade on a written exam, 22.12.2017, 12-14h (50%) and the grade on the term paper (50%).
Economics	MOEC0205	Experimental Economics (L+E)	Lecture with Exercises	6		MA	x		Assumptions about human behavior lie at the heart of economic theory. Economic experiments offer a toolkit to make these assumptions testable.	Date of the final exam: June 15, 2018
Economics	BOEC0380	Global Policy Analysis: Poverty, Development, Growth (L+E)	Lecture with Exercises	6	BA		x		This course has two primary objectives: First, it provides students with a solid overview of what we know about key topics of global development, such as the trends in poverty around the world, inequality, access to education and healthcare, etc.	Problem sets 20%, final exam 80% (19.6.18, 16-18h)
Economics	MOEC0487	Global Poverty and Economic Development (L+E)	Lecture	6		MA		x	This course will examine major current issues in development economics, with a focus on the application of econometric evaluation methods in development economics.	The grade will be based on class participation (20%), problem sets (30%) and a final exam (50%) on 8.1.18, 14:00-15:45h.



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Economics	BOEC0344	Intermediate Econometrics	Lecture	6	BA		x		The course is intended to expose students to important econometric techniques used in empirical economics and to facilitate awareness in students of how these techniques can be used and applied.	Participation and exercises during the tutorial: 20% of the final grade Exam on: 19.06.2018, 10:00-12:00 (80% of the final grade)
Economics	BOEC0379	International Macroeconomic Policy (L + E)	Lecture with Exercises	6	BA		x		The course provides an introduction to key concepts in international macroeconomics, money and finance. The usefulness of theoretical concepts is illustrated in applications to topical policy issues.	Written final examination on 21.06.2018, 10.00-12.00
Economics	MOEC0048	International Macroeconomics (L+E)	Lecture with Exercises	6		MA	x		The course equips students with key theoretical and empirical tools used by policymakers and academics to analyze international macroeconomic dependencies among modern national economies.	Final Examination on 22.6.2018, 10:00-12:00.
Economics	BOEC0374	International Trade (L+E)	Lecture with Exercises	6	BA			x	By giving an introduction to the economics of international trade, this course demystifies some of the complex issues that surround discussions of globalization.	Written exam (date: 19.1.2018, 10-12 am).
Economics	BOEC0109	Introduction to Game Theory (L + E)	Lecture with Exercises	6	BA			x	This is an introductory course of Game Theory. Game Theory is a standard tool to analyze the behaviour of agents in strategic situation and is widely used in many fields including economics, finance, biology, political science.	Written exam on 09.01.2018, 2-4 pm.



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Economics	BOEC0388	Introduction to Market Design (L + E)	Lecture with Exercises	6	BA		x		The course discusses the design of markets and other institutions mediating matching and resource allocation, as well as the behavior of participants of such markets and institutions.	Assessment: Final exam on 14.06.2018, 14:00-16:00h. An optional class paper can be substituted for 40% of the final course score.
Economics	MOEC0436	Labor Economics	Lecture	3		MA		x	This course introduces students to theory and empirical analysis in labor economics.	Final exam, on 15.1.2017, 10:00-12:00.
Economics	MOEC0491	Master Seminar Quantitative Economic History HS17	Seminar	3		MA		x	Study the Professors at UZH.	Economics students: Presentation (20 minutes) and seminar thesis (8-10 pages). Active participation is part of the assessment. Attendance is compulsory.
Economics	MOEC0054	ME3: Organizational Economics (L+E)	Lecture with Exercises	6		MA	x		The course provides an overview of the current state of research in organizational economics. The course focuses on empirical research and the role of economic and behavioral motives in the context of organizations. A good understanding of empirical metho	Final examination (75% of course grade) and presentation in exercise class (25% of course grade). The final exam takes place on Friday, June 22, 2018.
Economics	BOEC0301	Methods of Empirical Macroeconomics	Lecture with Exercises	6	BA			x	The course equips students with the quantitative and empirical tool kit required for empirical analysis in macroeconomics and finance as it is conducted by academic researchers or government agencies, such as monetary authorities or international organizations.	Written exam, probably on January 19, 2018, 10-12 am.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Economics	BOEC0211	Monetary Macroeconomics (L)	Lecture	3	BA		x		In this course we will build elegantly simple yet rigorous models of money and banking to replicate essential features of actual monetary economies.	Final examination: 22.6.2018: 10:15 - 12:00
Economics	MOEC0414	Philosophy of Economics	Seminar	3		MA	x		The seminar offers an introduction to the philosophy of economics. In the first part, an overview of the most important positions in general philosophy of science is given in a lecture format.	Active participation: 50% of grade Presentation (20-minute): 20% of grade Seminar thesis (8-10 pages): 30% of grade
Economics	MOEC0507	Policy implications of rising inequality (S)	Seminar	3		MA	x		Over the past decades, many developed countries have experienced considerable increases in income and wealth inequality. The recent book by Piketty (2014) has sparked new interest in studying the origins and consequences of these dynamics.	Assessment: 30% presentation, 20% discussion participation, 50% essay. deadline for the essay is 30.3.
Economics	MOEC0336	Principles of Neuroeconomics (L)	Lecture	3		MA	x		This course will cover the basic principles of neuroeconomics, research methods, and current literature on neuroeconomics.	Written examination; date of examination: Thursday, June 21, 2018 (10:00-12:00)
Economics	MOEC0338	Program Evaluation and Causal Inference (L+E)	Lecture with Exercises	6		MA	x		This technical course in applied econometrics provides an introduction to recent advances in the methods used for program and policy evaluation. The focus will be on discussion of causal inference and estimation of treatment effects.	Final project, 12.06.2018,8-10h



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Economics	MOEC0242	Quantitative Economic History II	Lecture	3		MA	x		Monetary Systems, 1870-1939 The lectures cover Bimetallism, the classical Goldstandard, and the Interwar Period with a focus on hyperinflation and the Great Depression.	Written Exam 12.6.2018, 8-10 am
Economics	MOEC0287	Seminar in Corporate Social Responsibility	Seminar	3		MA	x		The seminar assesses the topic of Corporate Social Responsibility (CSR) in theory and practice. The course will give an overview on research concerned with CSR and focuses on CSR-related topics on the macro-, meso-, and micro-level of analysis.	In order to get credit for the course, students have to write a seminar paper, present their findings to the class, and participate in the seminar meetings.
Economics	MOEC0243	Seminar Quantitative Economic History II - Exercises	Seminar	3		MA	x		Using time series analysis tools (vector autoregressive models, VAR), students learn how to provide empirical support for the positions in an economic policy debate.	Assignment
Economics	MOEC0489	Social Entrepreneurship (S)	Seminar	3		MA		x	This seminar will present selected challenges by UNICEF, which can be solved through social ventures. Students will form groups to tackle one of the challenges.	Performance will be judged by the quality of the business plan and of the final pitch, which will be judged by a panel of social investors.
Economics	MOEC0513	The Evidence Base for Regulating Lifestyle Risks: The Case of Unhealthy Diets (S)	Seminar	3		MA	x		A large and still growing body of research shows that households systematically make poor consumption choices.	1. Active Participation 2. Presentation 3. Seminar Paper based on students' own empirical work. Submission of written seminar paper: no later than June 15, 2018.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Economics	MOEC0506	Trade Policy (L+E)	Lecture with Exercises	6		MA	x		This class takes a selective look at the international trade literature, emphasizing topics of particular policy relevance. How large are the gains from trade? Is trade responsible for rising inequality? What are the labor market effects of trade?	Final exam 11.6.18, 8:00-10:00h
Economics	BOEC0323	Workshop & Lecture Series in Law & Economics	Seminar	3	BA		x		This workshop and lecture series is a joint project of the ETH Zurich, the University of Zurich, the University of St. Gallen, the University of Lucerne and the University of Basel.	Written comment, active participation and regular attendance
Finance	MFOEC194	Advanced Banking (L)	Lecture	6		MA	x		The objective of this class is to get a better understanding of the role of banks in the economy, highlight the sources of fragility of the banking sector and discuss regulatory responses.	The mid term exam will take place on April, 12, 14:00-16:00h. • closed book • No electronic device • One hour • 30% of the final grade • One exercise and two written questions The final exam will take place on June, 14, 14.00-16.00h • closed book •
Finance	MOEC0455	Advanced Corporate Finance I (L+E)	Lecture	6		MA		x	This course develops and refines tools for evaluating investments (capital budgeting), capital structure, and corporate securities.	Exam at the end of the semester and case studies during the semester. The exam will take place on Tuesday, January 9, 2018, 14:00-16:00.



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Finance	MFOEC144	Advanced Corporate Finance II (L)	Lecture	3		MA	x		This second course has a slightly different emphasis than the first course: it is by and large concerned less with the firm itself and more with the relation between the firm and financial markets, bond markets in particular.	Group case studies to be handed in. The final grade may be further adjusted for class participation. Compulsory attendance.
Finance	MFOEC206	Advanced Financial Economics (L+E)	Lecture with Exercises	6		MA	x		Portfolio Theory, CAPM, Financial Derivatives, Incomplete Markets, Behavioural Finance, Evolutionary Finance.	Closed book written exam, no calculators permitted. 1 Midterm exam on Thursday, 26 April 2018. Final exam on Thursday, 21 June 2018
Finance	MOEC0498	Agent-Based Financial Economics (L+E)	Lecture with Exercises	3		MA		x	This is a master level course for students in economics, banking & finance, and computer science. Agent-based financial economics is a controversial but also promising modeling methodology that thrives best when combining economics knowledge with sound software engineering.	Homework and a short presentation. The homework consists of the design and implementation of economic agents. The purpose of the presentation is to explain the design of the created agents.
Finance	MFOEC207	Asset Management: Advanced Investments	Lecture with Exercises	3		MA	x		The theoretical part of the lecture consists of the topics listed below. - Standard Markowitz Model and Extensions MV Optimization, MV with Liabilities and CAPM.	Written exam, 20.06.2018



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MFOEC146	Asset Management: Applied Portfolio Theory (S)	Seminar	3		MA	x		The seminar focuses on the most recent innovations in asset allocation with a special view on the practical implementation of asset allocation models. It provides the students with the tools they need to succeed in managing investment portfolios.	Presentation of a research paper, case study (numerical exercise based on a research paper), and active class participation.
Finance	MOEC0382	Bank Treasury Management	Lecture	3		MA		x	The course 'Bank Treasury Management' gives an introduction into relevant concepts and methods from a practitioner's view which are relevant in the daily business of managing a bank's balance sheet risk.	Multiple Choice. Exam on 8.01.2018, Time: 08.15h -10.00h.
Finance	MFOEC163	Capital Adequacy and Risk Measures	Lecture	3		MA	x		This lecture will focus on the mathematical theory of risk measures and capital adequacy. We will treat standard material but also some newer, less standard material.	Written exam on Thursday, 14 June 2018, 08.00 - 10.00 h.
Finance	MFOEC180	CFA Investment Challenge (S)	Seminar	6		MA		x	The course is intended to familiarize you with the work of financial analysts and to teach you how to conduct a hands-on, in-depth analysis of a specific company in its market environment.	The writing and presentation of an analyst report, each accounting for 50% of the final grade.



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Finance	MFOEC204	Continuous Time Quantitative Finance	Lecture	3		MA	x		American Options, Stochastic Volatility, Lévy Processes and Option Pricing, Exotic Options, Transaction Costs and Real Options.	The final grades will be based on a written examination. Master of Science UZH ETH in Quantitative Finance students and other students: Written exam on Monday, 11 June 2018, 14.00 - 16.00 h
Finance	MFOEC117	Corporate Finance (L)	Lecture	3		MA		x	The course starts by briefly introducing the basic tools of corporate finance; it then applies these tools to a range of problems in that field: mergers, appraising earnings quality, capital structure, private equity, project finance and bond issuance.	Group case studies be be handed in. The final grade will be adjusted for class participation.
Finance	MFOEC176	Counterparty Credit Risk Management	Lecture	3		MA		x	One of the challenges that the financial industry is facing after the crisis is to reach consensus on how to correctly assess counterparty credit risk.	Written exam on November 13 2017, 08-00 - 10.00h.
Finance	MFOEC190	Crunchpoints in seriously large banking/payment-IT-projects (L)	Lecture	3		MA	x		The banking, payment, funding and consumer industry in need of financial interactions and transactions are in a mode of drastic change which will stay being "disruptive" for at least another 10 years.	written exam on 15.06.2018, 14:00-15:45h
Finance	MFOEC199	Dynamic models of insurance (L)	Lecture	6		MA		x	This course develops a theory of financial policies for insurance companies in dynamic settings. We focus on the capital, investment, and dividend policies of a value-maximizing insurer.	Written exam on 9.1.18, 14:00-16:00h.



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Finance	MFOEC159	Economic Crimes & Corporate Resilience	Lecture	3		MA	x		The goal of the lecture is to introduce the phenomenon "Economic Crime" as a considerable and not only financial risk in business activity. Future managers need to be sensitized in order to prevent themselves and their companies from damage.	Written exam on 04.06.2018, 12:15-13:15 (60min)
Finance	MFOEC201	Economic Foundations for Finance (L+E)	Lecture with Exercises	6		MA		x	The course explains the basics of decision theory and general equilibrium theory which belong to the two main foundations for financial theory.	Written exam on Monday, 15.01.2018, 10-12am.
Finance	MOEC0418	Empirical Banking (M.A.)	Lecture	3		MA	x		The objective of the course is to read and understand the empirical literature on Banking.	Written exam on Tuesday, 12 June 2018, 08.00 - 10.00
Finance	MFOEC187	Environmental and financial sustainability	Lecture	3		MA		x	Sustainability refers to the long-term welfare of a system. Our social, economic, and physical environments are strongly connected and the welfare of one subsystem depends on the welfare of the other subsystems.	Written exam, presumably on Thursday, 11 January 2018, 14:00-16:00.
Finance	MFOEC200	Financial Engineering (L+E)	Lecture with Exercises	6		MA		x	This lecture is intended for students who would like to learn more on equity derivatives modelling and pricing.	Written exam on 18.01.2018, 10-12h.
Finance	MOEC0294	Fundamental Probability for Finance (I+II)	Lecture	6		MA		x	This 6 credit optional course covers fundamental concepts in probability theory with special interest in concepts used in Finance.	Written exam, 16.01.2018, 10-12h.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	BOEC0050	Intermediate Corporate Finance (S)	Seminar	3	BA			x	The course builds on Corporate Finance I, in which students will have learnt the basic tools and concepts of corporate finance. The course introduces few new tools, but applies the tools learnt in Corporate Finance I to a range of corporate finance problems.	Group case studies to be handed in. The final grade will be adjusted for class participation. Attendance is compulsory. Unless explicitly allowed, computers cannot be used during the lectures.
Finance	MOEC0207	International Tax Planning (L)	Lecture	3		MA		x	This course studies the relationships between domestic and international taxation, including the use of the "OECD model tax convention on income and on capital."	Final written exam (on 19.12.2017).
Finance	BOEC0385	Introduction to Machine Learning (S)	Seminar	3	BA		x		The objective of this course is to provide an introduction to (supervised) machine learning tools suitable for classification problems in Finance.	Group Case Study
Finance	MFOEC198	Introduction to systematic risk premia strategies traded at hedge funds	Lecture with Exercises	3		MA		x	This course provides insights into different hedge fund strategies.	Written exam on December 22, 2017, 12:00-14:00.
Finance	MFOEC175	Investments – Selected Quantitative Tools	Lecture	3		MA	x	x	The objective of the course is to give an introduction to advanced quantitative tools for active portfolio management.	Written exam on 08.06.2018 12:15-13:45



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MOEC0125	Law and Finance (S)	Seminar	3		MA		x	Guest lecturers will discuss their current research in the field of Law and Finance. Each researcher will give one lecture and one workshop. In the fall term topics of Law and Finance will be covered.	Written comment, active participation and regular attendance.
Finance	MOEC0376	Macro-Finance	Lecture	3		MA		x	The first part of the course covers the standard "consumption-based" approach to asset pricing. This approach derives asset prices from a dynamic macroeconomic model where agents invest to optimize their lifetime utility from consumption.	Written exam on 17.01.2018.
Finance	MOEC0234	Market Microstructure (L)	Lecture	3		MA	x	x	This is a course on financial instruments, financial markets and trading with an emphasis on topics such as optimal trading strategies for typical trading problems, mechanisms of how information is impounded in prices, etc.	Written exam on Thursday, 15 February 2018, 10-12 a.m.
Finance	MFOEC192	Matlab for Portfolio Management (L)	Lecture	3		MA		x	This course provides an introduction to programming in Matlab with a focus on portfolio management applications, in particular the backtesting of quantitative investment strategies.	Final examination, expected date: 24.2.17, 10:15-13:00h.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MFOEC177	Microeconomics of Insurance	Lecture	3		MA		x	This lecture focuses on understanding insurance markets from a microeconomic perspective. Some of the topics covered are: the demand for insurance, the supply of insurance, adverse selection and moral hazard.	Written exam on 9.01.2018, 8:00-10:00.
Finance	MFOEC205	Microeconomics of Insurance II	Lecture	3		MA	x		This is a continuation of the lecture Microeconomics in Insurance held in the winter semester. We explore additional selected topics including corporate demand for insurance, loss prevention and precautionary savings.	Written exam on Monday, 11.06.2018, 8:00-10:00h
Finance	MOEC0265	Microfinance (L)	Lecture	3		MA		x	Financial institutions and financial sector development to serve low-income customers in developing countries.	Written exam on: 20.12.2017, 12.00-14.00.
Finance	MFOEC203	Models of default and contagion (L)	Lecture	3		MA	x		The aim of this lecture is to give an account of mathematical techniques for credit risk models, where there is contagion between different obligors, i.e., default of one party negatively impacts the default probabilities of other debtors.	Written exam on Wednesday, 20 June 2018. from 10.00 - 12.00 h
Finance	MFOEC189	Modern Crime in Financial Markets	Lecture	3		MA		x	The growing complexity of the international financial markets and of the financial products needs to be accompanied by solutions for preventing and dealing with financial crime.	Written exam and presentation of case studies by the students. Exam expected on 16 January 2018, 10.00 - 12.00 h.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MOEC0398	Multinational Corporate Finance (L)	Lecture	3		MA	x	x	This course is the study of specific financial and tax issues that multinational corporations face in the context of the globalization of financial markets and businesses.	Final written exam on 5.6.2018, 18:00-20:00.
Finance	MFOEC182	Portfolio Management Implementation 2	Seminar	3		MA	x	x	Following a year of insight into the theoretical foundations of portfolio management and asset allocation, students are given the unique opportunity to implement what has been learned.	Participation in regular meetings and performance presentations. Submission of monthly reports and contribution to the PMP yearbook.
Finance	MFOEC195	Portfolio Management Theory 2 (S)	Seminar	3		MA	x	x	This seminar forms part of the second component of the Portfolio Management Program. In this seminar, students use the theoretical foundations learned in Portfolio Management Theory I, and the programming skills learned in Matlab for Portfolio Management.	Participation in seminars and expert presentations, investment analyst presentations and a group project.
Finance	MFOEC191	Quantitative Finance (L+E)	Lecture with Exercises	6		MA	x		The mathematics and probability theory required for understanding the theory and methods in quantitative finance.	Written exam on 15.06.2018, 8:00-10:00
Finance	MOEC0309	Real Estate Finance	Lecture	3		MA	x	x	The real estate market is one of the most important asset markets in the world economy – with all its benefits and risks.	Written exam on Tuesday, 19 June 2018, 4.-6 pm. Closed-book exam, a non-programmable calculator is allowed.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MFOEC120	Research-Seminar Finance (MA & MSc QF)	Seminar	3		MA	x	x	Please check the following link: http://www.phd-finance.uzh.ch/Courses/Coursedesetails_en.html	Oral exam (30min) about five presentations, on Friday, 08 June 2018, starting 10:00 The actual selection of papers the student wants to be examined about should be agreed on with the examiner not later than two weeks before the exam. Please contact Prof.
Finance	BOEC0338	Sustainability and the Finance Sector	Seminar	3	BA			x	Today, no actor of the financial sector, being a bank, an insurer or an institutional investor, should afford not having an overall strategy for how to position itself towards a shift to a low carbon economy.	20% to oral participation 30% Presentation during the seminar (in Groups) 50% Final Presentation in Groups.
Finance	MFOEC153	Takeovers, Restructuring, and Corporate Governance (S)	Lecture	3		MA		x	This course studies mergers and corporate restructuring. The question addressed include: what are the motives for mergers? Which mergers create value? What are the different methods of payment and what motivates their use?	The grades are base on a final exam (50 %), one project (25 %) and two cases (25 %). Exam date: Monday, January 15 , 2018, 10.00 - 12.00.
Finance	MFOEC196	Taming the Data	Lecture	3		MA		x	Data management is a crucial element for any company to properly address the growing requirements of shareholders and regulators, as well as the growing market competitiveness.	Written exam on 17.1.2018.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MOEC0441	The Economics of Individual Decision Making	Lecture with Exercises	6		MA		x	This course teaches theoretical and empirical foundations of economic decision making under risk and over time.	Written exam on 09.01.18, 14:00-16:00h.
Finance	MFOEC208	The Risk & Finance Lab	Seminar	3		MA	x		Aim of the lecture: to discuss and demonstrate the common mechanisms underlying all types of financial analysis spanning from liquidity risk management via traditional and advanced book keeping to rocket science risk analytics.	Exam takes place on 22.06.2018, 8:00-12:00. Please note that the examination is scheduled for 4 hours. The first part (one hour) examines the theoretical comprehension of the concepts of "Unified Financial Analysis" expounded during the lectures (individual, in writing). The same concept from the basis of the models. The second part examines financial modelling and presentation skills based on the student developed computer model of a financial institution (group task).
Finance	MFOEC193	Theory of Financial Intermediation and Banking (S)	Seminar	3		MA	x		The course will explore the leading approaches to understand the economic role of banks and financial intermediations. The course also prepares participants for advanced seminars in the microeconomics of banking.	Inclusive but not exclusive a presentation as well as active participation.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Finance	MFOEC150	Topics of Applied Risk Management	Lecture	3		MA	x		This course provides insights into financial risk management tools and techniques broadly used in the world of banking, providing theoretical foundations and discussing typical applications in practice.	Written exam on 22.6.2018, 16:15-17:45
Informatics	MINF4534	Advanced Software Engineering (L+E)	Lecture with Exercises	4		MA	x		This course covers the following specific topics in software engineering: software architecture and design, architectural patterns and styles, aspect-oriented programming, domain-specific languages, engineering elastic applications, etc.	Written exam on Monday, 18 June 2018 at 10.15 h. In case of only few participants, there will be an oral exam (with individual exam dates).
Informatics	MINF4538	Big-Data Analytics	Lecture with Exercises	3		MA	x	x	Data-driven decisions are changing the way organizations (and science) operate. Relying on increasingly available large amounts of data organizations leverage quantitative analytics for their operations.	Written exam scheduled for June 19, 2018. In case of a low number of participants an oral exam or project presentations might be scheduled instead of a written exam.
Informatics	MINF4224	Blockchains and Overlay Networks (L+E)	Lecture with Exercises	6		MA	x		Fully distributed systems, typically termed Peer-to-peer (P2P) systems, seem to be of much more interest these days, especially moving from a pure file sharing use to a commercial use and application.	Written exam planned for Tuesday, June 5, 2018 between 12.15 and 13.45 hours. In case of small attendance, an oral exam may take place.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINF4523	Commodity Trading	Lecture with Exercises	3		MA	x		The word "trading" is often used as an umbrella term for exchanging financial products such as shares, bonds or derivatives. In this course, we will look primarily at the trading of physical goods.	Written exam scheduled for 11 June 2018 at 08.00. In case of a low number of participants an oral exam might be scheduled instead of a written exam.
Informatics	BMINF002	Computer Graphics (L)	Lecture	3	BA	MA	x		Introduction to the fundamental concepts, algorithms, and data structures of interactive 3D computer graphics such as graphics systems, polygonal modeling, illumination and shading, geometric transformations, viewing in 3D, visibility, clipping, etc.	In addition to the final exam, the course participants have to complete a few simple computer graphics programming exercises using OpenGL. The course grade will be evaluated in a written final exam on June 11, 2018, 14.00h.
Informatics	BMINF003	CSCW (L+E)	Lecture with Exercises	6	BA	MA	x	x	We will look at computer supported collaboration of collaborative units of any size: dyads, small groups, large groups, organizations, communities and social networks.	Half the grade will be determined by about four homeworks; the other half by a written exam. Both need to be passed in order to pass the course. Written exam scheduled for 21 June 2018.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINF4235	Data Visualization (L+E)	Lecture with Exercises	6	BA			x	This course covers the fundamental concepts of interactive data visualization, including short reviews of preliminary and related techniques in digital signals, sampling and interpolation, color models, image processing as well as 2D/3D vector graphics pr	To pass the course, students must have successfully completed a number of homework assignments and practical exercises, as announced in the first weeks of the semester, and pass the final exam.
Informatics	MINF4549	Digital Banking Architecture (L+E)	Lecture with Exercises	3		MA	x	x	Starting from an overview of the various challenges the financial services industry is facing from digitalization (i.e. new competitors, changing client needs, technological hurdles etc.).	Three homeworks documenting the results of the case study Oral presentation of case study results Continuous participation at the lecture blocks.
Informatics	MINF4519	Digitalization and Sustainable Development	Lecture	3		MA		x	The course addresses how digitalization can help society face the challenges of sustainable development as reflected in the UN Sustainable Development Goals. It provides an overview of results from emerging research fields such as "Information and Communication Technology for Sustainability (ICT4S)" and "Green ICT".	Term paper and presentation.
Informatics	BMINF015	Economics and Computation (L+E)	Lecture	6	BA	MA		x	In this lecture, we will cover the interplay between economic thinking and computational thinking as it relates to the analysis and design of electronic markets in particular, and socio-economic systems in general.	To pass the module, students need to obtain at least 50% of the points from the homework assignments and they need to pass the final exam.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINF4517	Enterprise IT-Architectures (L+E)	Lecture with Exercises	3		MA		x	The course is providing an introduction to the work of an architect in projects as it is done in the industry.	Students work on a case study for a real case that is presented at one of the lectures. The rating of this term work is one third of the overall exam rating. In addition, there is either a written exam (22.12.17, 12-14h) or an oral exam that counts two thirds of the overall exam rating.
Informatics	BINF2100	Foundations of Computing II (L+E)	Lecture with Exercises	6	BA			x	Second year required course covering topics from discrete math and formal methods building the foundation of computing.	Successful completion of exercises during the term is required to pass the course as well as passing the final exam. The final examination is probably on Friday, January 10th 2018, from 14.00-16:00h.
Informatics	BMINF016	Human-Computer Interaction	Lecture with Exercises	6	BA	MA		x	This course will introduce students to principles and processes for designing successful interactive systems which enable users to effectively complete their tasks while being easy and fun to use.	The lectures will be accompanied by group assignments, project work, and presentations to foster collaboration, planning, conflict management, and presentation skills.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINF4200	Information Management (L+E)	Lecture with Exercises	6		MA		x	This lecture covers the management challenges and opportunities posed by information systems and offers methods to solve those problems.	The final grade will be composed by 50% of a written exam scheduled for 19.01.2018. The final grade's other 50% consist of graded homework. Some homework will be group work. Both components, the exam and the homework, need to be passed (= total grade 4.0).
Informatics	MINF4221	IT Security (L)	Lecture	3		MA	x		Introduction; IT security management; cryptography; PKI and identity management; computer security; network security; web security; cloud security; data protection and privacy enhancing technologies; applications.	Written exam scheduled for June 11, 2018 (time, location, and modalities will be announced in the lecture). In case of a low number of participants, an oral exam might be scheduled instead of a written exam. A few exercises are required to take the exam.
Informatics	BMINF017	Mobile Communication Systems (L+E)	Lecture with Exercises	6	BA	MA	x	x	Based on the basic knowledge on communication systems as well as distributed systems the specifics of communications in the wireless and mobile domain are addressed.	Written exam planned for Wednesday, June 20, 2018 between 10.15 and 11.45 hours. In case of small attendance, an oral exam may take place.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINF4529	Practical Artificial Intelligence (L+E)	Lecture with Exercises	6		MA	x	x	Over the past years, the appearance of applications requiring or benefiting from (classical) artificial intelligence has accelerated.	Sufficient quality of handed in homework assignments (30%) during the term is a prerequisite for participating at the final exam (70%), which will be on June 12, 2018, from 2 pm (subject to the rules by the Dean's office).
Informatics	MINF4547	Quantitative Methods in Human-Computer Interaction (L+E)	Lecture with Exercises	6		MA	x	x	When you design a new user interface or adopt a new software for your company, how do you evaluate whether these changes improve your or your company's performance? By how much will the performance be improved? Will the changes be worth the cost?	The lectures will be accompanied by assignments (c.a. 40%) and project work (c.a. 60%). All works will be in team. There is no final exam. The exact distribution of the coursework will be communicated at the first class.
Informatics	BMINF014	Randomized and Online Algorithms (L)	Lecture	6	BA	MA	x		This lecture covers the design and analysis of "randomized" as well as "online" algorithms. A "randomized algorithm" is allowed to use randomness in its decision-making.	Written exam, expected date: 12.6.18, 8:15-9:45. Half of the exercise problems must be worked on (serious attempt) for admission to the exam.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BMINF018	Requirements Engineering I (L+E)	Lecture with Exercises	3	BA	MA		x	Specifying requirements is a crucial prerequisite for successful software development. This course gives an introduction to the processes, practices, methods, and tools for specifying and managing requirements.	Successful completion of lab assignments and written exam (Monday, 6. November 2017, 10.15am.) passed. In case of only few participants, the written exam will be replaced by oral exams (with individual exam dates).
Informatics	MINF4548	Requirements Engineering II (L+E)	Lecture with Exercises	6		MA		x	Building upon the contents of Requirements Engineering I, this course broadens and deepens the knowledge in Requirements Engineering.	Successful, active participation in the course (reading literature, making presentations, etc.) and passing the final exam. Depending on the number of participants, the final exam will be held as a written exam (15 January 2018, 10.15am) or as oral exams.
Informatics	MINF4503	Semantic Web Engineering (L+E)	Lecture with Exercises	3		MA	x	x	This course gives an introduction into the Semantic Web and Linked Open Data, its standards, and technologies.	Written exam scheduled for Friday, 12th of January 2018, 8.00 a.m. In case of a low number of participants, an oral exam might be scheduled instead of a written exam.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINFS120	Seminar: Advanced Software Engineering (BSc)	Seminar	3	BA		x	x	Seminar on a specialized topic in the area of advanced software engineering. Response papers and class participation for the first weeks of the course, as well as a written proposal, written final report and oral presentation of a scientific topic.	Response papers, written proposal, written final report, oral presentation, continuous active participation in the course.
Informatics	MINFS520	Seminar: Advanced Software Engineering (MSc)	Seminar	3		MA	x		Seminar on a specialized topic in the area of advanced software engineering. Response papers and class participation for the first weeks of the course, as well as a written proposal, written final report and oral presentation of a scientific topic.	Response papers, written proposal, written final report, oral presentation, continuous active participation in the course.
Informatics	BINFS145	Seminar: Advanced Topics in Economics and Computation (BSc)	Seminar	3	BA		x		In this seminar, we will discuss advanced topics in economics and computation. The list of topics will be made available in the kick-off meeting during the first week of the semester.	1. Oral presentation of the paper [40%] 2. Final report (10 pages) [30%] 3. Acting as a buddy/shepherd for another student [20%] 4. Active participation during the seminar. [10%]
Informatics	MINFS545	Seminar: Advanced Topics in Economics and Computation(MSc)	Seminar	3		MA	x		In this seminar, we will discuss advanced topics in economics and computation. The list of topics will be made available in the kick-off meeting during the first week of the semester.	1. Oral presentation of the paper [40%] 2. Final report (10 pages) [30%] 3. Acting as a buddy/shepherd for another student [20%] 4. Active participation during the seminar. [10%]



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINFS128	Seminar: Communication Systems (BSc)	Seminar	3	BA		x		Communication systems provide today the infrastructure needed for successful exchange of data and information.	Individual seminar talks of 35-40 minutes supported by presentation slides, followed by a moderated discussion of 45 minutes on the seminar topic handed-out. Production of an individual, content-wise correct written seminar report ready for publication, covering bibliographic references, and being compliant with all formal requirements raised on the basis of the LaTeX template provided.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS528	Seminar: Communication Systems (MSc)	Seminar	3		MA	x		Communication systems provide today the infrastructure needed for successful exchange of data and information.	Individual seminar talks of 35-40 minutes supported by presentation slides, followed by a moderated discussion of 45 minutes on the seminar topic handed-out. Production of an individual, content-wise correct written seminar report ready for publication, covering bibliographic references, and being compliant with all formal requirements raised on the basis of the LaTeX template provided.
Informatics	BINFS133	Seminar: Database Systems (BSc)	Seminar	3	BA		x		The seminar explores each year an emerging topic in the database systems area. The exact topic and details of the seminar will be finalized shortly before the start of the seminar.	Each participant writes a self-contained report of about 10 pages and gives a 30 minute presentation. Each participant is associated with another participant who serves as a buddy for report and presentation.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS533	Seminar: Database Systems (MSc)	Seminar	3		MA	x	x	The seminar explores each year an emerging topic in the database systems area. The exact topic and details of the seminar will be finalized shortly before the start of the seminar.	Each participant writes a self-contained report of about 10 pages and gives a 30 minute presentation. Each participant is associated with another participant who serves as a buddy for report and presentation.
Informatics	BINFS130	Seminar: Graphics and Multimedia (BSc)	Seminar	3	BA			x	Recent and/or seminal research papers in the areas of interactive computer graphics and visualization will be studied and presented by participating students. Topics will include advanced graphics, rendering and visualization technologies.	Successful seminar presentations (max. 45 min) and discussion of questions (max. 15 min) on the selected topic; development of a technical report (8-10 pages); attendance and active participation in the seminar presentations and discussions is required.
Informatics	BINFS137	Seminar: Human-Computer Interaction (BSc)	Seminar	3	BA		x		This seminar will focus on selected areas in Human-Computer Interaction (HCI) research, such as Computer-Supported Cooperative Work (CSCW), Ubiquitous Computing, and Information Visualization.	Moderation of 1-2 discussion sessions (1 class session each) including presentation of main themes and preparation of discussion topics. Response essays (1 page each) for each reading assignment Active participation in discussion sessions.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS537	Seminar: Human-Computer Interaction (MSc)	Seminar	3		MA	x		This seminar will focus on selected areas in Human-Computer Interaction (HCI) research, such as Computer-Supported Cooperative Work (CSCW), Ubiquitous Computing, and Information Visualization.	Moderation of 1-2 discussion sessions (1 class session each) including presentation of main themes and preparation of discussion topics. Response essays (1 page each) for each reading assignment Active participation in discussion sessions.
Informatics	MINFS546	Seminar: Information Artifact Evaluation and Comparison	Seminar	3		MA		x	In this seminar the TEDS framework/procedure will be detailed, and the empirical evidence of its effectiveness will be discussed.	The participants will be graded on the basis of a presentation (40%) and a paper written during the four weeks (60%). Both will be a group effort.
Informatics	BINFS138	Seminar: Internet Economics (BSc)	Seminar	3	BA			x	The content of this seminar will address very current topics and questions on the Internet Economics - covering technical and economic aspects always in an inherent manner.	Talk and presentation of 45 min by utilizing slides. Followed by a moderated discussion with theses and questions posed to the seminar audience. Complemented by a written, complete report (publishable quality).



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINF4237	Social Computing (L)	Lecture	6	BA		x	x	Social Computing focuses on the intersection of social behavior and computing systems. This course considers social behavior and practices and how these practices are supported, enhanced, and affected by computing technology.	The presentations (and the mid-project update) of the projects count for 100%. Project 1: 40%. Mid-project update: 10%. Project 2: 50%. The students will be given a rubric at project determination time.
Informatics	BINF4244	Software Engineering	Lecture with Exercises	3	BA		x		The world runs on software and this course (and the SoPra) is all about taking the skills and knowledge you learned in software construction and extending your abilities to design and build non-trivial software systems.	The grade will mainly be based on the midterm and final exam (20.6.18, 10-12h). There will, however, also be short quizzes/assignments during lecture/lab.
Informatics	BINF4240	Systemsoftware und verteilte Systeme (L) (Systems Software and Distributed Systems)	Lecture	6	BA		x	x	Computer systems have changed over the past three decades almost every aspect of our life: They manage traffic infrastructures as well as financial transactions, they provide entertainment and education, and they are hidden in many tiny, mobile devices etc.	Participation in the final exam (date: 12.6.18, 8:00-10:00h).
Informatics	BMINF008	Temporal and Spatial Data Management	Lecture with Exercises	3	BA	MA		x	We discuss the challenges that arise from the management of time-varying and spatial data, the solutions offered by current database systems, and the state-of-the-art of the research in this area.	Oral exam in January 2018. The date will be fixed during the first part of the course. In case of a high number of students a written exam will take place on Monday, 8th January 2018 at 2pm.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINF4217	xML and Databases (L)	Lecture	3		MA	x		Today, the W3C standard xML is widely used as document format for exchanging data over the Internet. While the generation of xML data is easy, the management of xML data requires systems that are able to efficiently store, query, and process xML data.	Written exam on Thursday, June 14, 2018, 08:15-9:45h (oral exam in case of a low participation number)
Informatics	MINFS520	Seminar: Advanced Software Engineering (MSc)	Seminar	3		MA	X		Seminar on a specialized topic in the area of advanced software engineering.	Response papers, written proposal, written final report, oral presentation, continuous active participation in the course.
Informatics	BINFS145	Seminar: Advanced Topics in Economics and Computation (BSc)	Seminar	3	BA		X		In this seminar, we will discuss advanced topics in economics and computation. The list of topics will be made available in the kick-off meeting during the first week of the semester.	1. Oral presentation of the paper [40%] 2. Final report (10 pages) [30%] 3. Acting as a buddy/shepherd for another student [20%] 4. Active participation during the seminar. [10%]
Informatics	MINFS545	Seminar: Advanced Topics in Economics and Computation(MSc)	Seminar	3		MA	X		In this seminar, we will discuss advanced topics in economics and computation. The list of topics will be made available in the kick-off meeting during the first week of the semester.	1. Oral presentation of the paper [40%] 2. Final report (10 pages) [30%] 3. Acting as a buddy/shepherd for another student [20%] 4. Active participation during the seminar. [10%]



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS544	Seminar: Business Network Data Analytics and Applications (MSc)	Seminar	3		MA	X		This seminar focuses on research topics in network science, Big Data Analytics, and their applications in Management, Marketing, and Finance.	1) a written report (70%) 2) participation in the seminar (10%) 3) presentation of the report (20%)
Informatics	BINFS128	Seminar: Communication Systems (BSc)	Seminar	3	BA		X		This seminar sheds light on selected aspects of communication systems in terms of public telecommunication systems, mobile systems and the Internet.	Individual seminar talks of 35-40 minutes supported by presentation slides, followed by a moderated discussion of 45 minutes on the seminar topic handed-out. Production of an individual, content-wise correct written seminar report ready for publication.
Informatics	MINFS528	Seminar: Communication Systems (MSc)	Seminar	3		MA	X		Communication systems provide today the infrastructure needed for successful exchange of data and information.	Individual seminar talks of 35-40 minutes supported by presentation slides, followed by a moderated discussion of 45 minutes on the seminar topic handed-out. Production of an individual, content-wise correct written seminar report ready for publication.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINFS133	Seminar: Database Systems (BSc)	Seminar	3	BA		X		The seminar explores each year an emerging topic in the database systems area. The exact topic and details of the seminar will be finalized shortly before the start of the seminar. At http://www.ifi.uzh.ch/dbtg/teaching/courses/SDBS.html you find the information.	Each participant writes a self-contained report of about 10 pages and gives a 30 minute presentation.
Informatics	MINFS533	Seminar: Database Systems (MSc)	Seminar	3		MA		X	The seminar explores each year an emerging topic in the database systems area. The exact topic and details of the seminar will be finalized shortly before the start of the seminar.	Each participant writes a self-contained report of about 10 pages and gives a 30 minute presentation.
Informatics	BINFS130	Seminar: Graphics and Multimedia (BSc)	Seminar	3	BA			X	Recent and/or seminal research papers in the areas of interactive computer graphics and visualization will be studied and presented by participating students. Topics will include advanced graphics, rendering and visualization technologies.	Successful seminar presentations (max. 45 min) and discussion of questions (max. 15 min) on the selected topic; development of a technical report (8-10 pages); attendance and active participation in the seminar presentations and discussions is required.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS530	Seminar: Graphics and Multimedia (MSc)	Seminar	3		MA	X		Recent and/or seminal research papers in the areas of interactive computer graphics and visualization will be studied and presented by participating students. Topics will include advanced graphics, rendering and visualization technologies.	Successful seminar presentations (max. 45 min) and discussion of questions (max. 15 min) on the selected topic; development of a technical report (8-10 pages); attendance and active participation in the seminar presentations and discussions is required.
Informatics	BINFS137	Seminar: Human-Computer Interaction (BSc)	Seminar	3	BA		X		This seminar will focus on selected areas in Human-Computer Interaction (HCI) research, such as Computer-Supported Cooperative Work (CSCW), Ubiquitous Computing, and Information Visualization.	Moderation of 1-2 discussion sessions (1 class session each) including presentation of main themes and preparation of discussion topics. Response essays (1 page each) for each reading assignment. Active participation in discussion sessions.
Informatics	MINFS537	Seminar: Human-Computer Interaction (MSc)	Seminar	3		MA	X		This seminar will focus on selected areas in Human-Computer Interaction (HCI) research, such as Computer-Supported Cooperative Work (CSCW), Ubiquitous Computing, and Information Visualization.	Moderation of 1-2 discussion sessions (1 class session each) including presentation of main themes and preparation of discussion topics. Response essays (1 page each) for each reading assignment. Active participation in discussion sessions.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS546	Seminar: Information Artifact Evaluation and Comparison	Seminar	3		MA		X	In this seminar the TEDS framework/procedure will be detailed, and the empirical evidence of its effectiveness will be discussed.	The participants will be graded on the basis of a presentation (40%) and a paper written during the four weeks (60%). Both will be a group effort.
Informatics	BINFS138	Seminar: Internet Economics (BSc)	Seminar	3	BA			X	The content of this seminar will address very current topics and questions on the Internet Economics - covering technical and economic aspects always in an inherent manner.	Talk and presentation of 45 min by utilizing slides. Followed by a moderated discussion with theses and questions posed to the seminar audience. Complemented by a written, complete report (publishable quality).
Informatics	MINFS538	Seminar: Internet Economics (MSc)	Seminar	3		MA	X		The content of this seminar will address very current topics and questions on the Internet Economics - covering technical and economic aspects always in an inherent manner.	Talk and presentation of 45 min by utilizing slides. Followed by a moderated discussion with theses and questions posed to the seminar audience. Complemented by a written, complete report (publishable quality).
Informatics	BINFS125	Seminar: Requirements Engineering (BSc)	Seminar	3	BA		X		Seminar on selected topics in Requirements Engineering. Topics will be announced and talks will be assigned in a kick-off meeting in the first week of the semester.	Paper, oral presentation, and active participation both in reviewing process and paper presentation session.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	MINFS525	Seminar: Requirements Engineering (MSc)	Seminar	3		MA	X		Seminar on selected topics in Requirements Engineering. Topics will be announced and talks will be assigned in a kick-off meeting in the first week of the semester.	Paper, oral presentation, and active participation both in reviewing process and paper presentation session.
Informatics	BINF4237	Social Computing (L)	Lecture	6	BA			X	Social Computing focuses on the intersection of social behavior and computing systems. This course considers social behavior and practices and how these practices are supported, enhanced, and affected by computing technology.	The presentations (and the mid-project update) of the projects count for 100%. Project 1: 40%. Mid-project update: 10%. Project 2: 50%. The students will be given a rubric at project determination time.
Informatics	BMINF005	Software Maintenance and Evolution (L+E)	Lecture with Exercises	3	BA	MA	X		In this course you will learn the foundations of software evolution and maintenance.	Successful completion of exercises during the semester and written exam on Friday, 22 December 2017 at 12.00 h. In case of only few participants, there will be an oral exam (with individual exam dates).
Informatics	BMINF013	Software-Quality (L+E)	Lecture with Exercises	3	BA	MA	X		The course covers selected advanced topics in the field of software quality, for example, advanced testing methods, test automation, model checking, systematic debugging, product vs. process quality, planning, measuring and improving software quality, quality in agile development.	Successful completion of lab assignments and passing the final exam. Depending on the number of participants, the final exam will be held as a written exam (expected date: 8.5.17) or as oral exams (date tbd). For details, see the course web site.



Subject areas	Module code	Course title	Category	ECTS credits	BA	MA	Spring term	Fall term	General description	Assessment
Informatics	BINF4240	Systems Software and Distributed Systems	Lecture	6	BA			X	This lecture covers the fundamental principles of operating systems, including the basic principles of inter-process communications, processes and threads, scheduling, and memory and resource management in modern multi-user and multi-tasking operating systems.	Participation in the final exam (expected date: 13.6.17, 8:00-10:00h).
Informatics	BMINF008	Temporal and Spatial Data Management	Lecture with Exercises	3	BA	MA		X	We discuss the challenges that arise from the management of time-varying and spatial data, the solutions offered by current database systems, and the state-of-the-art of the research in this area.	Oral exam in January 2018. The date will be fixed during the first part of the course. In case of a high number of students a written exam will take place on Monday, 8th January 2018 at 2pm.
Informatics	BMINF020	Vision Algorithms for Mobile Robotics	Lecture	6	BA	MA	X		The course introduces to the fundamentals of image processing and computer vision, in particular: theory of image formation, filtering, edge detection, feature extraction, multiple view geometry, structure from motion, dense reconstruction, optical flow, tracking, and image retrieval.	Oral exams (30 minutes per person) scheduled for Thursday, January 18, 2018.
Informatics	MINF4217	XML and Databases (L)	Lecture	3		MA	X		The goal of this lecture is to teach in the interplay between XML and databases.	Written exam presumably Thursday, June 15, 2017, 08:00-10:00 (oral exam in case of a low participation number).