



Faculty of Humanities and Social Sciences

INFORMATION

Course Offering



LUCERNE MASTER IN COMPUTATIONAL SOCIAL SCIENCES (LUMACSS)
COURSE OFFERING – SPRING SEMESTER 2020

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Programme Director and Co-Initiators

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Administration and Programme Coordinator

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Semester Dates

Spring semester 2020

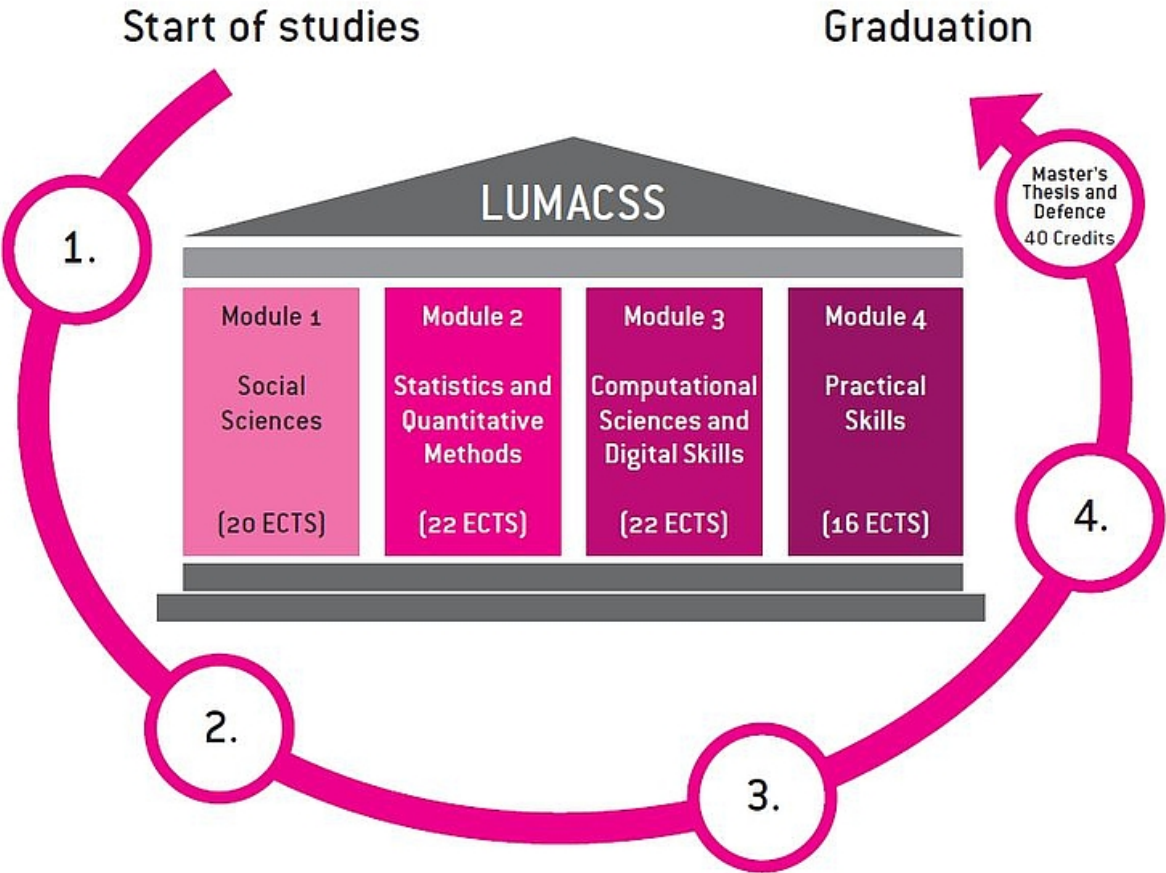
Courses take place from Monday, February 17th to Friday, May 29th 2020

There are no courses taking place on the following dates:

Thursday, February 20 th	Carnival
Monday, February 24 th	Carnival
Friday, April 10 th to Sunday, April 19 th	Easter break
Thursday, May 21 st	Ascension day

Study Programme

The Lucerne Master in Computational Social Sciences (LUMACSS) is an interdisciplinary programme that equips graduates with the knowledge and skills needed to tackle the main social challenges of the digital age. LUMACSS has been specially designed for two kinds of students: social science graduates seeking to strengthen their data analytics and digital computation skills; and computational sciences graduates eager to learn how to best apply their computation skills to social sciences data and research questions. LUMACSS provides a unique opportunity to combine the social sciences and the computational sciences. The programme offers in-depth teaching and research on digitization and its manifold effects on modern polities, societies and economies.



The four LUMACSS modules combine various disciplines such as economics, political science, sociology, law, history and the computational sciences. The broad-based programme also develops statistical and computational methods and thus builds the key skills for the future job market. Coursework comprises a total of 120 ECTS and includes a final master's thesis and its defence.

Musterstudienplan MA Studiengang

Lucerne Master in Computational Social Sciences (LUMACSS), Studienbeginn ab HS 2019



Module	Studienanforderung	Beschreibung	Credits 120	Cred. Tot.	<input checked="" type="checkbox"/>
Social Sciences	Vorlesungen	Drei Vorlesungen (à 2 Cr) oder zwei Kolloquialvorlesungen (à 3 Cr)	6		
	Masterseminar	-	4		
	Masterseminar	-	4		
	Schriftliche Masterseminararbeit	-	6	20	
Statistics and Quantitative Methods	Masterseminar	-	4		
	Masterseminar	-	4		
	Schriftliche Masterseminararbeit	-	6		
	Weitere Studienleistungen	-	8	22	
Computational Sciences and Digital Skills	Weitere Studienleistungen	-	20		
	Abschlusskolloquium	-	2	22	
Practical Skills	Variante 1: Freie Studienleistungen* inklusive Sozialkompetenz (2-6 Cr)	Freie Studienleistungen	16		
	Variante 2: Capstone-Projekt (10 Cr), freie Studienleistungen* inklusive Sozialkompetenz (2-6 Cr)	Absolvierung eines selbst organisierten Projekts	16		
	Variante 3: Praktikum (10 Cr), freie Studienleistungen* inklusive Sozialkompetenz (2-6 Cr)	Absolvierung eines selbst organisierten Praktikums von min. 8 Wochen Vollzeit	16	16	
Masterverfahren					
	MA-Arbeit	Masterarbeit (30 Cr) mit mündlicher Verteidigung (10 Cr)	40	40	

* aus dem Masterlehreangebot der Kultur- und Sozialwissenschaftlichen Fakultät (KSF)

Der Musterstudienplan entspricht der Wegleitung zur StuPo 2016 mit Revision vom 1. August 2019 - Masterstufe. Download unter: www.unilu.ch/ksf-reglemente

Course Offering in Spring 2020

For an up to date and more detailed **electronic version** of our course offering visit:
https://vv.unilu.ch/stg/ma_lumacss/sem=FS20

Please note that **German titles** of courses indicate that courses are taught in German.
 Please note that there are **different procedures for registration** at the different faculties and for courses taught via Campus Luzern:

Faculty of Humanities and Social Sciences: Registration in the first two weeks of the semester via Uniportal

Faculty of Law: Registration mid-semester, [click here for more information](#)

Faculty of Economics: Registration mid-semester, [click here for more information](#)

Campus Luzern: Registration via e-mail: graduate.resources@campus-luzern.ch

Module Social Sciences

Format	Lecturer and Title	Dates
VL	Meyer: Blockchain und Smart Contracts	We, 14.15-16.00
VL	Burri: Internet Law	We, 12.15-14.00
VL	Gruber: Technikrecht	Tue, 10.15-12.00
KVL	Trechsel: Einführung in die Vergleichende Politikwissenschaft	Tue, 12.15-14.00
MSE	Bochsler/Colombo: Frontiers of Public Opinion and Political Behaviour in Elections and Direct Democracy	block course
MSE	Mayer: Critical Data Studies	block course
MSE	Mittelstadt: Fairness, Accountability, Transparency and Ethics in AI	block course
MSE	Speich Chassé: Wie der Personal Computer in die Schweiz kam	We, 10.15-12.00
MSE	Kirchner: Organisation und Arbeit in der Plattformökonomie	block course

Module Statistics and Quantitative Methods

Format	Lecturer and Title	Dates
MSE	De Angelis: MA Replication Seminar: Doing research in practice!	We, 16.15-18.00
MSE	Umit: MA Research Design: Quantitative	Mo, 16.15-18.00
MSE	Diaz-Bone: Data production, quality and equivalence	Thu, 10.15-12.00
MSE	Horvath: Geometric and visual data analysis	Thu, 14.15-16.00
MSE	Wurpts: Methoden der sozialen Netzwerkanalyse	Mo, 16.15-18.00
VL	Schmid: Einführung in die Ökonometrie	Fr, 14.15-16.00
VL	Schmid: Statistik	Thu, 14.15-16.00
WOS	Kauer: Versicherungsdaten	Mo, 14.15-16.00
MSE	Boes: Quantitative Methods (Health Sciences)	Tue, 13.00-15.30

Module Computational Sciences and Digital Skills

Format	Lecturer and Title	Dates
VL	Mannino: Applied Machine Learning	We, 14.15-18.00
WOS	Kauer: Versicherungsdaten	Mo, 14.15-16.00
WOS	Umit: Creating Professional Websites with R Blogdown	Infos on Campus Luzern website (See section on "Digital Skills")
WOS	Umit: Writing Reproducible Research Papers with R Markdown	Infos on Campus Luzern website (See section on "Digital Skills")
WOS	Bright: Social Media Data Mining with Python	Infos on Campus Luzern website (Section on "Digital Skills")
WOS	Silva: Longitudinal Structural Equation Modelling	Infos on Campus Luzern website (See section on "Quantitative Empirie")
WOS	Balietti: Web and Digital Technologies Programming	Infos on Campus Luzern website (See section on "Digital Skills")
MSE	Mundt: Geometric and visual data analysis	Thu, 14.15-16.00
KOL	Blatter: Kolloquium BA- und MA-Abschlussarbeiten	We, 18.15-20.00

Module Practical Skills

In the module on Practical Skills, students have access to the complete offering of the Faculty of Humanities and Social Sciences.

However, the following courses are especially recommended for LUMACSS-students:

Format	Lecturer and Title	Dates
HS	Gruber: Social Media für KulturwissenschaftlerInnen	Thu, 14.15-18.00
HS	Thiem: Kausalität in Recht, Wirtschaft und Politik	Fr, 12.15-14.00
HS	Van Ditmars: Media & Politics	Tue, 10.15-12.00
MSE	Aklin: Politics and Financial Crises	block course
MSE	Petrovic: Democracy and Authoritarianism in Peripheral Countries	block course
MSE	Schmid: The Politics of Immigration, Integration, and Citizenship	block course
HS	Hien: Of Saints and Sinners: the political economy of the Eurozone crisis and its consequences	block course
HS	Mény: Popolo ma non troppo: Conflicting Concepts of Democracy	block course
HS	Wegenast: Political Violence	Thu, 12.15-16.00

Legend

HS: Hauptseminar; KOL: Kolloquium; KVL: Kolloquialvorlesung; LKK: Lektürekurs; MSE: Masterseminar; SOV: Sonderveranstaltung; UEB: Übung; VL: Vorlesung; WOS: Workshop