

UNIVERSITY OF
LUCERNE

FACULTY OF HUMANITIES AND
SOCIAL SCIENCES



COURSE OFFERING

LUCERNE MASTER IN COMPUTATIONAL
SOCIAL SCIENCES (LUMACSS)
FALL SEMESTER 2023



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Programme Director and Co-Initiators

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Administration and Programme Coordinator

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LUMACSS Programme Coordinator	Nadia Bühler, MA nadia.buehler@unilu.ch	3.A53 (Mo-Thu)

Semester Dates

Fall semester 2023

Courses take place from Monday, September 18th to Friday, December 22nd 2023

There are no courses taking place on the following dates:

Wednesday, November 1st

All Saint's Day

Thursday, November 2nd

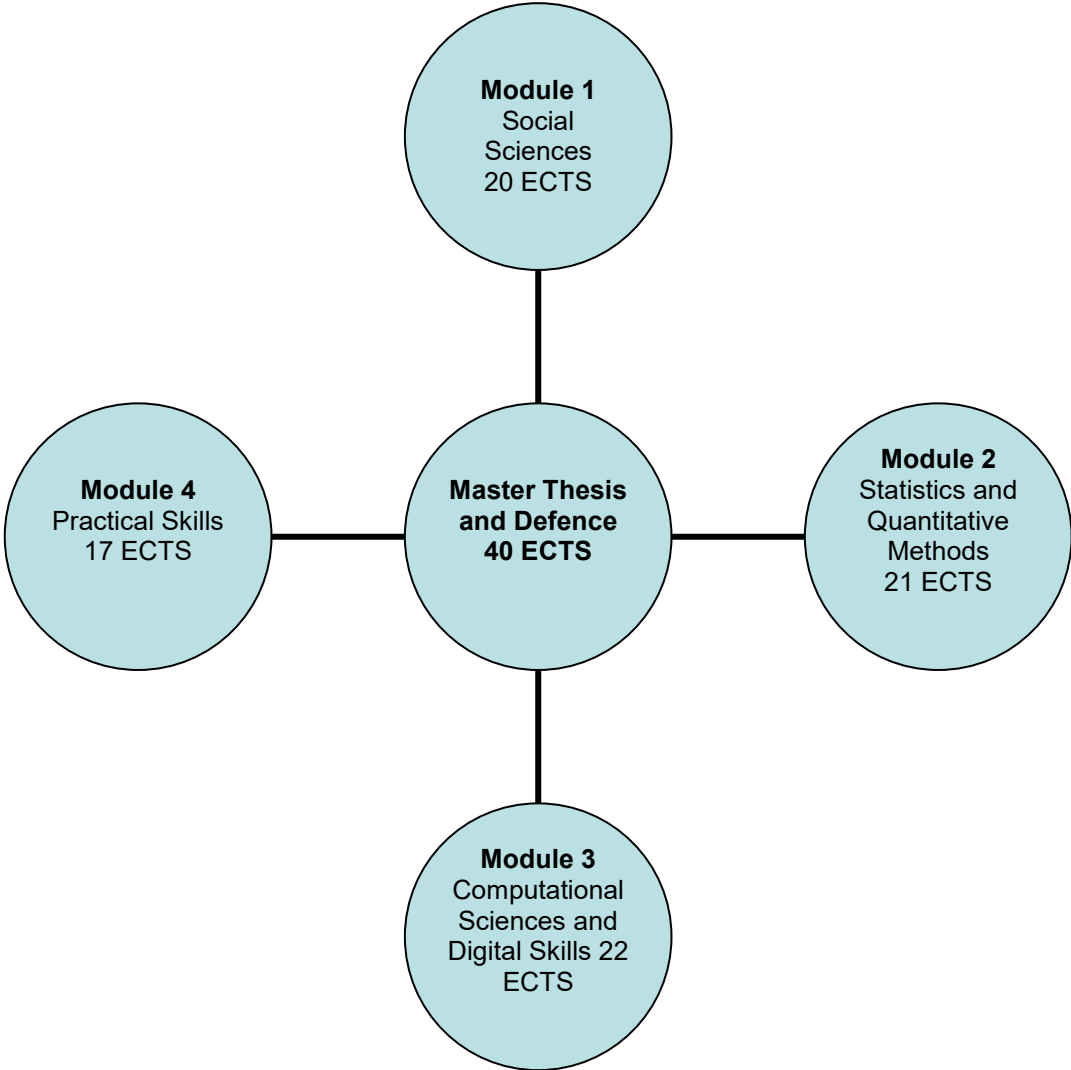
Dies Academicus, no lectures in the morning

Friday, December 8th

Immaculate conception

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 2023

Modul	Studienanforderung	Beschreibung	Credits 120	<input checked="" type="checkbox"/>
Social Sciences	Vorlesungen und/oder Kolloquialvorlesungen	-	6	
	Masterseminar	-	4	
	Masterseminar	-	4	
	schriftliche Masterseminararbeit	-	6	
Statistics and Quantitative Methods	Masterseminar	-	4	
	Masterseminar	-	4	
	Methodenseminar	Research Design and Methods in Quantitative Research I	4	
	Kolloquialvorlesung	Introduction to Statistics for the Social Sciences	3	
	schriftliche Masterseminararbeit	-	6	
Computational Sciences and Digital Skills	Masterseminar	Introduction to R for Data Science & Computational Social Science	4	
	Masterseminar	Data Mining in R	4	
	Masterseminar	Introduction to Python	4	
	weitere Studienleistungen	-	8	
	Abschlusskolloquium	-	2	
Practical Skills	Variante 1: freie Studienleistungen ¹ (17 Cr)	freie Studienleistungen	17	
	Variante 2: Capstone-Projekt (10 Cr), freie Studienleistungen ¹ (7 Cr)	Absolvierung eines selbst organisierten Projekts		
	Variante 3: Praktikum (10 Cr), freie Studienleistungen ¹ (7 Cr)	Absolvierung eines selbst organisierten Praktikums von min. 8 Wochen Vollzeit		
Masterverfahren				
	MA-Arbeit	Masterarbeit (30 Cr) mit mündlicher Verteidigung (10 Cr)	40	

¹ aus dem Masterlehrangebot der Kultur- und Sozialwissenschaftlichen Fakultät (KSF). Bis zu 6 Credits können im freiwilligen Bereich universitäres Engagement belegt werden.

Course Offering in Fall 2023

For an up to date and more detailed **electronic version** of our course offering visit:
https://portal.unilu.ch/stg/ma_lumacss/sem=HS23

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 Digital Skills Luzern:

Faculty of Humanities and Social Sciences: Registration two weeks before the start of the semester till the end of 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](#)

Faculty of Health Sciences and Medicine: Registration end of semester, [click here for more information](#)

Digital Skills: Registration via registration form, [click here for more information](#)

Module Social Sciences

Format	Lecturer and Title	Dates
VL	Burri: International Intellectual Property Law	We, 14.15-16.00
VL	Karavas: Law and Society in a Global Context	Tue, 10.15-12.00
VL	Furrer: Digitale Rechtsgeschäfte	Thu, 16.15-18.00
VL	Burri: International Law of Contemporary Media	We, 10.15-12.00
VL	Karavas: Recht der digitalen Medien	Thu, 12.15-14.00
VL	Puschmann: FinTech & InsurTech – Digitalization of the Financial Services Industry	Block course
KVL	Trechsel: Political Behaviour and Communication	Tue, 12.15-14.00
KVL	Blatter: Einführung in die Demokratietheorien	Tue, 14.15-16.00
KVL	Rieder: Policy-Analyse in Zeiten des Klimawandels	Mo, 14.15-16.00
KVL	Schaffer: Einführung in die Internationalen Beziehungen	We, 10.15-12.00
MSE	Schaffer: Politics of Climate Change	Tue, 16.15-18.00
MSE	Hoggenmüller: Big Visual Data – Digitale Bildkultur zwischen Bildikone und Netzbild	Thu, 10.15-12.00
MSE	Wurpts: Netzwerkanalyse: neue Entwicklungen	Mo, 10.15-12.00
MSE	de Robiano: Political economy of inequalities	Block course
MSE	Ruchet: Introduction to Republican Political Theory: Collective Self- Government from Rome to Washington and Beyond	Tue, 10.15-12.00
MSE	Baecker: Vergleichende Medienforschung	Block course
MSE	Wurpts: Globalisierung und Digitalisierung	We, 12.15-14.00
MSE	Heumann: Politische Emotionen und qualitative Interviewforschung (Research Design and Methods in Qualitative Research)	We, 10.15-12.00
MSE	Mayer: Critical Data Studies	Block course
MSE	Mützel: Relationale Soziologie: Theoretische Ansätze und	Tue, 14.15-16.00

	empirische Studien	
MSE	Oglesby: Researching consumers' behaviour, emotions and attitudes in the digital era	Thu, 10.15-12.00
MSE	Youssef: Werkstatt für soziologische Content-Produktion in sozialen Medien	We, 10.15-12.00
MSE	Mützel: Forschungsseminar: Creator Economy: zwischen Metriken, Marketing und Marken	Mo, 14.15-16.00

Module Statistics and Quantitative Methods

Format	Lecturer and Title	Dates
MSE	Ströbele: Research Design and Methods in Quantitative Research	We, 08.15-10.00
MSE	Oglesby: Researching consumers' behaviour, emotions and attitudes in the digital era	Thu, 10.15-12.00
KVL	De Angelis: Introduction to Statistics for the Social and Political Sciences	Tue, 08.15-10.00

Module Computational Sciences and Digital Skills

Format	Lecturer and Title	Dates
VL	Meierer / Bachmann: Python – A non-technical Introduction for Business Analytics	Block course
VL	Sontheim: Data Handling	Fortnightly Tue, 14.15-18.00
VL	Mannino: Supervised Machine Learning	Block course
VL	Scheufele: Analysing and Forecasting Economic Time Series	We, 16.15-18.00
VL	Waelti: Introduction to Computer Science and Programming	Fortnightly Thu, 16.15-20.00
VL	Hofstetter / Pouly: Machine Learning in Marketing	Fortnightly Tue, 10.15-12.00 Fortnightly Tue, 08.15-12.00
VL	Cilurzo; Habicht: Data Science Toolkits and Architectures	Fortnightly Thu, 16.15-19.00
WOS	Hoes: Experimental (Survey) Methods in Social Sciences	Infos on Digital Skills
WOS	Attalides: Introduction to Shiny in R	Infos on Digital Skills
WOS	Attalides: Introduction to web scraping and text analysis in R	Infos on Digital Skills
WOS	Attalides: Information Visualizations in R	Infos on Digital Skills
WOS	Attalides: Building packages in R and version control	Infos on Digital Skills
MSE	Mundt: Introduction to R for Data Science & Computational Social Science	Block course

KOL	Mützel: Kolloquium Medien und Netzwerke (laufende Abschlussarbeiten)	Mo, 16.15-18.00
KOL	Blatter: Kolloquium BA- und MA-Abschlussarbeiten (qualitative, theoretische Arbeit)	Tue, 18.15-20.00
KOL	Schaffer: Kolloquium BA- und MA-Abschlussarbeiten (quantitative Arbeit)	Tue, 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	Schmid: Künstliche Intelligenz aus kulturwissenschaftlicher Perspektive	We, 10.15-12.00
MSE	Bärnreuther / Speich Chassé: Digitaler Wandel im Globalen Süden – Ethnologische und Historische Perspektiven	Tue, 10.15-12.00

Legend

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