

UNIVERSITY OF
LUCERNE

FACULTY OF HUMANITIES AND
SOCIAL SCIENCES



COURSE OFFERING

LUCERNE MASTER IN COMPUTATIONAL
SOCIAL SCIENCES (LUMACSS)
FALL SEMESTER 2024



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Semester Dates

Fall semester 2024

Courses take place from Monday, September 16th to Friday, December 20th, 2024

There are no courses taking place on the following dates:

Wednesday, October 2nd

St. Leger's Day (Patron Saint's Day of Lucerne)

Wednesday, November 1st

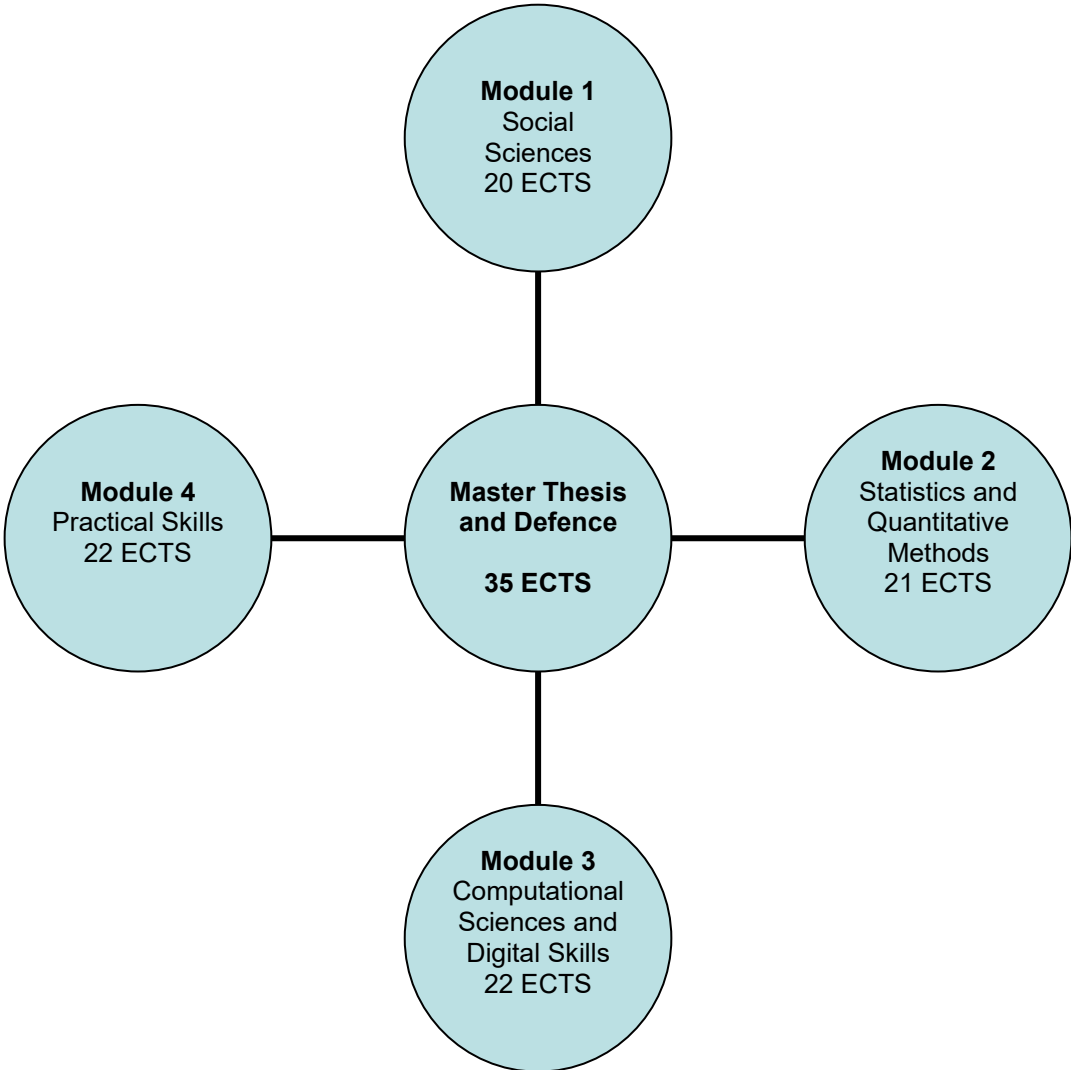
All Saints' Day

Thursday, November 7th

Dies Academicus, **no lectures only in the morning!**

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 and seize the opportunities 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 solve social science puzzles. 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 2024

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 (22 Cr)	freie Studienleistungen	22	
	Variante 2: Capstone-Projekt (10 Cr), freie Studienleistungen ¹ (12 Cr)	Absolvierung eines selbst organisierten Projekts		
	Variante 3: Praktikum (10 Cr), freie Studienleistungen ¹ (12 Cr)	Absolvierung eines selbst organisierten Praktikums von min. 8 Wochen Vollzeit		
Masterverfahren				
	MA-Arbeit	Masterarbeit (30 Cr) mit mündlicher Verteidigung (5 Cr)	35	

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 2024

A continuously updated and more detailed **electronic version** of our course offering can be found [here](#).

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
WOS	Karavas: Recht der digitalen Medien	Mo, 12.15-14.00
VL	Karavas: Law and Society in a Global Context	Tue, 10.15-12.00
VL	Furrer: Digitale Rechtsgeschäfte	Thu, 16.15-18.00
VL	Data Rules! Navigating European Data Law	Block course
VL	Burri: International Law of Contemporary Media	We, 10.15-12.00
VL	Burri: International Intellectual Property Law	We, 14.15-16.00
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: Politikevaluation mit Themenschwerpunkt Umweltpolitik	Mo, 14.15-16.00
KVL	Schaffer: Einführung in die Internationalen Beziehungen	We, 10.15-12.00
MSE	Valsangiacomo: Democratic theory: Essential contemporary readings	Block course
MSE	Yun: The Politics of Gender: An Interdisciplinary Perspective	Block course
MSE	Garside: The Politics of Climate Change Adaptation	Block course
MSE	Hoggenmüller / Wahl: Medien, Sichtbarkeit und Protest: Die Bedeutung visueller Medien für soziale Bewegungen	Thu, 16.15-18.00
MSE	Luminati / Rieder: Integrationsseminar Recht und Politikwissenschaft: Demokratie am Ende? Populismus, Radikalisierung der Politik und die Zukunft von Demokratie und Rechtsstaat	Block course
MSE	Saner: Big Health: Gesundheit im Spannungsfeld von Datafizierung, Personalisierung und Ökonomisierung	Tue, 10.15-12.00
MSE	Dias Ferreira da Silva: Negativity in Democratic Politics	Block course

MSE	Hänze: Climate Change and (spatial) Inequality	Fortnightly Tue, 10.15-14.00
MSE	Mützel: Datenkapitalismus und Entwicklungen im Marketing	Mo, 14.15-16.00
MSE	Mützel: Relationale Soziologie: Theoretische Ansätze und empirische Studien	Tue, 14.15-16.00
MSE	Schramm: European Integration and the Role of the Franco-German motor	Block course
MSE	Mayer: Critical Data Studies	Block course
MSE	Waibel: The Ordinal Society. Zur digitalen Reformatierung der Welt	Mo, 10.15-12.00

Module Statistics and Quantitative Methods

Format	Lecturer and Title	Dates
MSE	Canalejo-Molero: Research Design and Methods in Quantitative Research	Fortnightly Thu, 14.15-18.00
KVL	Schlegel: Introduction to Statistics for the Social Sciences	Fortnightly We, 12.15-16.00

Module Computational Sciences and Digital Skills

Format	Lecturer and Title	Dates
MSE	Mundt: Introduction to R for Data Science & Computational Social Science	Block course
VL	Cilurzo / Habicht: Data Science Toolkits and Architectures	Fortnightly Thu, 16.15-19.00
VL	Mannino: Supervised Machine Learning	Block course
VL	Meierer / Bachman: Python – A non-technical Introduction for Business Analytics	Block course
VL	Scheufele: Analysing and Forecasting Economic Time Series	We, 16.15-18.00
VL	Sontheim: Data Handling	Fortnightly Tue, 14.15-18.00
VL	Waelti: Introduction to Computer Science and Programming	Fortnightly Tue, 16.15-20.00
VL	Meierer / Bachmann: Machine Learning for Mere Mortals: Workflow, Key Models, & Coding	Block course
WOS	Umansky: TikTok: Theories, Tools, and Techniques for Content Analysis	Infos on Digital Skills
WOS	Attalides: Introduction to Machine Learning in R	Infos on Digital Skills
WOS	Attalides: Introduction to Statistics in R	Infos on Digital Skills
MSE	Fechner: Statistical Learning Models for the Health Sciences in R	Tue, 12.30-14.00

KOL	Mützel: Kolloquium Medien und Netzwerke (laufende Abschlussarbeiten)	Mo, 16.15-18.00
KOL	Blatter: Kolloquium BA- und MA- Abschlussarbeiten (qualitative, theoretische Arbeiten)	Tue, 18.15-20.00
KOL	Diaz-Bone: Kolloquium für laufende Abschlussarbeiten	Mi, 16.15-18.00
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
KVL	Diaz Bone: Advanced multivariate statistics	Thu, 14.15-16.00
VL	Romano: Medientheorien	Mo, 12.15-14.00
UEB	Widmer: Smart Writing 2.0?!- KI und Wissenschaftliches Schreiben	Mo, 12.15-14.00

Legend

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