



Credit transfer overview of ETH modules in core elective areas (SO22) as of autumn 22

ETH - Modultitel / ETH module titel	Studienstufe / Academic level	Wahlpflicht- bereich / Core elective area	HS	FS	Bemerkung / Comment
3D Vision	MA	INF AI		x	
Advanced Machine Learning	MA	INF DS / INF AI	x		
Advanced Operating Systems	MA	INF SOSY		x	
Advanced Sustainability Economics	MA	ECON 2 / SF		x	
Agent-Based Modelling of Social Systems	MA	BWL 6 / ECON 2		x	
AI Center Projects in Machine Learning Research	MA	INF AI / INF DS		x	
Applied Analysis of Variance and Experimental Design	BA/MA	ECON 3	x		BA: ECON 1
Applied Econometrics in Environmental and Energy Economics	MA	ECON 3	x		
Applied Multivariate Statistics	BA/MA	ECON 3		x	BA: ECON 1
Applied Network Science: Sports Networks	MA	SPM		x	
Applied Statistical Regression	BA/MA	ECON 3	x		BA: ECON 1
Applied Time Series	MA	ECON 3 / BF 5		x	BA: ECON 1
Asset Liability Management and Treasury Risks	MA	BWL 2 / BF 5	x		
Bayesian Statistics	MA	INF DS	x		
Brownian Motion and Stochastic Calculus	MA	BF 5		x	
Cases in Technology Marketing	MA	BWL 4	x		
Climate Economics and Finance	MA	ECON 2 / BF 4		x	
Climate Finance	MA	BWL 2 / BF 4 / SF		x	
Climate Policy	MA	EP	x		
Cloud Computing Architecture	MA	INF SOSY		x	
Complex Networks	MA	ECON 2		x	
Computational Intelligence Lab	MA	INF DS		x	
Computational Methods for Quantitative Finance: PDE Methods	MA	BF 5		x	
Computational Statistics	MA	BF 5 / ECON 3 / INF DS		x	
Convex Optimization	MA	ECON 3		x	
Corporate Sustainability	MA	BF3 / BWL 5 / SF	x		
Cyber Security	MA	INF SOSY / BWL 5		x	
Data Analytics in Organisations and Business	MA	BF 5 / BWL 6	x		
Data Mining I	MA	ECON 3	x		
Data Science for Public Policy: From Econometrics to AI	MA	ECON 3		x	



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Decentralized Finance	MA	BF 2		x	
Deep Learning	MA	INF AI	x		
Digital Humans	MA	INF AI		x	
Economic Growth and Resource Use	MA	ECON 1		x	
Economic Growth, Cycles and Policy	MA	ECON 1 / EP		x	
Economics by its Nobel Prizes	MA	ECON 1 / ECON 2	x		
Empirical Environmental Economics	MA	ECON 2 / 3	x		
Empirical Innovation Economics	MA	ECON 2	x		
Empirical Methods in Management	MA	BWL 6	x		
Energy Economics and Policy	MA	ECON 2 / EP		x	
Energy Innovation and Management	MA	BWL 5		x	
Entrepreneurial Risks	BA/MA	BF 1 / BF 3 / BWL 5		x	
ETH Zurich Distinguished Seminar in Robotics, Systems and Controls	MA	INF AI	x		
Financial Management	MA	BWL 1 / BWL 2		x	
Financial Risk Management in Social and Pension Insurance	MA	BF 5	x		
Fiscal Competition and Multinational Firms	MA	ECON 2 / BWL 5	x		
Food and Consumer Behaviour	MA	BWL 4	x		
Fundamentals of Mathematical Statistics	MA	BF 5	x		
Global Operations Strategy	MA	BWL 4		x	
High-Dimensional Statistics	MA	BF 5	x		
Human Factors II	MA	BWL 3		x	
Human Resource Management: Leading Teams	BA/MA	BWL 3		x	
Human-Computer-Interaction: Cognition and Usability	MA	INF POC		x	
Intermediate Econometrics	MA	BWL 6	x		
International Aid and Development	MA	EP	x		
International Development Engineering	MA	ECON 2		x	
International Economics: Theory of New Trade and Multinational Firms	MA	ECON 1		x	
International Environmental Politics	BA/MA	ECON 1 / EP	x		
Introduction to Health Economics and Policy	BA/MA	ECON 2 / EP	x		
Introduction to Machine Learning	MA	BF 5 / ECON 3 / INF AI		x	



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Introduction to Marketing	MA	BWL 4	x		
Introduction to Mathematical Finance	MA	BF 5		x	
Introduction to Negotiation	MA	MEDU		x	
Introduction to Risk Modelling and Management	MA	BF 5		x	
Introduction to Social Networks: Theory, Methods and Applications	MA	ECON 3		x	
Kritische Auseinandersetzung mit dem ökonomischen Wachstumsparadigma (S)	BA/MA	ECON 2 / EP		x	
Large Language Models	MA	INF AI		x	
Life Insurance Mathematics	BA/MA	BF1 / BF 5	x		
Machine Learning Applications and Society: Interpretability, Explanations and Trust	MA	BWL 6		x	
Machine Learning for Genomics	MA	INF AI		x	
Machine Learning for Health Care	MA	INF AI		x	
Management of Air Transport (Aviation II)	BA/MA	BWL 5		x	
Management of Digital Transformation	MA	BWL 5	x		
Managing the Transition to Sustainable Mobility	MA	BWL 5		x	
Marketing Analytics	MA	BWL 4		x	
Mathematical Finance	MA	BF 5	x		
Mathematical Foundations for Finance	BA/MA	BF 1 / BF 5	x		
Mathematics for New Technologies in Finance	MA	BF 5		x	
Mathematics of Data Science	MA	INF DS	x		
Methods & Models for fMRI Data Analysis	MA	ECON 3	x		
Monetary Policy	MA	BWL 2 / BF2	x		
Monetary Theory	MA	BF2	x		
Network Modeling	MA	ECON 3	x		
Networks and Markets	MA	INF DS		x	
New Technologies in Banking and Finance	MA	BF 2		x	
Nichtparametrische Regression	MA	ECON 3	x		
Non-Life Insurance: Mathematics and Statistics	BA/MA	BF 1 / BF 5	x		
Ökologische Ökonomik: Grundlagen und Wachstumskritik	BA/MA	ECON 2 / EP		x	
Ökonomische Theorie der Nachhaltigkeit	BA/MA	ECON 1 / EP		x	
Operations Research	MA	BWL 6	x		



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Planning and Decision Making for Autonomous Robots	MA	INF AI	x		
Population Ageing and Pension Economics	MA	ECON 1	x		
Power and Leadership	MA	BWL 3	x		
Power Market I - Portfolio and Risk Management	MA	BF 4	x		
Pricing - Theory and practice	MA	BWL 4		x	
Probabilistic Artificial Intelligence	MA	INF AI	x		
Production and Operations Management	BA/MA	BWL 6	x		
Programming with R for Reproducible Research	MA	ECON 3		x	
Project in Behavioural Finance (S)	MA	BF 4	x		
Psychological Aspects of Risk Management and Technology	BA/MA	BWL 5	x		
Public Economics	MA	ECON 1		x	
Purchasing and Supply Management	MA	BWL 6		x	
Quantitative Methods in Energy and Environmental Economics	MA	ECON 3		x	
Quantitative Policy Analysis and Modeling	MA	BWL 6	x		
Quantitative Risk Management	BA/MA	BF1 / BF 5		x	
Regionalökonomie	BA/MA	ECON 1		x	
Regulatory Affairs	MA	BWL 5		x	
Reinsurance Analytics	BA/MA	BF1 / BF 5	x		
Reliable and Trustworthy Artificial Intelligence	MA	INF AI / INF DS	x		
Resilience in the New Age of Risk	MA	BWL 2	x		
Resource and Environmental Economics	MA	ECON 2 / SF / BWL 5 / BF 4	x		
Simulation of Negotiations	MA	ECON 2	x		
Soccer Analytics	MA	BWL 6		x	
Social Data Science	MA	ECON 3		x	
Statistical Analysis of Financial Data	MA	BF 5	x		
Statistical Modelling	BA / MA	ECON 3 / BF 5 / INF DS	x		BA: ECON 1
Stochastic Systems	MA	BF 5		x	
Strategic Management	MA	BWL 5	x	x	
Strategic Supply Chain Management	MA	BWL 6	x		
Strategies for Sustainable Business	MA	BWL 5		x	



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Sustainable Supply Chain Management	MA	BWL 5		x	
Technology and Innovation Management	BA/MA	BWL 5	x		
The Economics of Aging, Pensions and Savings	MA	ECON 1	x		
The Economics of Climate Change	MA	ECON 2 / BWL 5	x		
Time Series Analysis	BA/MA	ECON 3	x		BA: ECON 1
Time Series Econometrics and Macroeconomic Forecasting	MA	ECON 3 / BF 5	x		
Topics in Public Policy: The Politics and Policies of International Migration (S)	MA	EP	x		
Transformation: Corporate Development and IT	MA	BWL 6	x		
Urban and Spatial Economics	MA	ECON 2		x	
Urban Systems and Transportation	MA	ECON 2	x		
Using R for Data Analysis and Graphics (Part I)	MA	ECON 3	x		
Using R for Data Analysis and Graphics (Part II)	MA	ECON 3	x		
Work Design and Organizational Change	MA	BWL 3	x		
Workshop and Lecture Series in Law and Economics	BA	ECON 1		x	
Youth Labor Market Outcomes, Institutions and Governance of Education and Training S	MA	MEDU / BWL 3	x		