

# Kandidatkurser Matematik-Økonomi Efterår 2024

## A. Retning Finansiering

### A.1 Kurser tilbudt fra Institut for Matematik

[Pricing and Hedging of Derivatives \(10 ECTS\)](#)

[Monte Carlo Simulation \(10 ECTS\)](#)

[Reinforcement Learning \(10 ECTS\)](#)

[Stochastic Calculus \(10 ECTS\)](#)

[Insurance Mathematics \(10 ECTS\)](#)

### A.2 Kurser tilbudt fra Institut for Økonomi

[Applied Financial Econometrics \(10 ECTS\)](#)

[Machine learning for business intelligence 1 \(10 ECTS\)](#)

[Asset Pricing \(10 ECTS\)](#)

[Corporate Finance \(10 ECTS\)](#)

[Financial Econometrics \(10 ECTS\)](#)

[Advanced Financial Engineering \(10 ECTS\)](#)

[Machine Learning Methods in Empirical Economics \(10 ECTS\)](#)

[Real Estate Finance and Investments \(5 ECTS\)](#)

[Time Series Econometrics \(10 ECTS\)](#)

## B. Retning Nationaløkonomi

### B.1 Kurser

[Macro 2 \(10 ECTS\)](#)

[Micro 2 \(10 ECTS\)](#)

[Cost Benefit Analysis \(10 ECTS\)](#)

[Applied Microeconomics \(P\) \(10 ECTS\)](#)

[Behavioral Economics and Finance \(10 ECTS\)](#)

[Developing and Emerging Economies \(5 ECTS\)](#)

[Economic Growth and the Environment \(10 ECTS\)](#)

[Econometric Methods in Economic Consulting \(10 ECTS\)](#)

[Environmental Economics \(P\) \(10 ECTS\)](#)

[Health Economics \(10 ECTS\)](#)

[International Economics \(10 ECTS\)](#)

[Labour Economics \(10 ECTS\)](#)

[Machine Learning Methods in Empirical Economics \(10 ECTS\)](#)

[Microeconomics \(10 ECTS\)](#)

[Politics and Economics of the EU \(10 ECTS\)](#)

[The Economics of the Welfare State \(10 ECTS\)](#)

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### B.2 Øvrige kurser udbudt af Institut for Økonomi

[Economics of Marketing \(10 ECTS\)](#)

[Organisational Economics and Strategy \(5 ECTS\)](#)

[Theories of the Firm \(10 ECTS\)](#)

## C. Retning Operationsanalyse

### C.1 Kurser tilbudt fra Institut for Matematik

[Graph Theory 2 \(10 ECTS\)](#)

[Applied Optimization: Location Planning](#)

### C.2 Kurser tilbudt fra Institut for Økonomi

[Machine Learning for Business Intelligence 1 \(10 ECTS\)](#)

[Combinatorial Optimisation with Logistics Applications](#)

[\(5 ECTS\)](#)

[Supply Chain Design and Management \(10 ECTS\)](#)

### C.3 Kurser tilbudt fra Institut for Datalogi

[Advanced Data Management and Analysis \(10 ECTS\)](#)

[Algorithms, Incentives, and Data \(10 ECTS\)](#)

[Computational Geometry: Theory and Experimentation \(10 ECTS\)](#)

[Deep Learning for Visual Recognition \(10 ECTS\)](#)

[Machine Learning \(10 ECTS\)](#)

[Quantum Information Processing \(10 ECTS\)](#)

[Softwarekonstruktion og softwarearkitektur \(10 ECTS\)](#)

[Theory of Algorithms and Computational Complexity \(10 ECTS\)](#)

## D. Alle retninger

### D.1 Udbud fra Institut for Matematik

[Advanced Statistical Learning \(10 ECTS\)](#)

[Kausal inferens \(10 ECTS\)](#)

[Statistiske Modeller \(10 ECTS\)](#)

[Erhvervsprojekt i Matematik-Økonomi \(10 ECTS\)](#)

[Projektarbejde i Matematik-Økonomi \(5 ECTS\)](#)

[Projektarbejde i Matematik-Økonomi \(10 ECTS\)](#)

### D.2 Udbud fra Institut for Økonomi

[Business Intelligence \(5 ECTS\)](#)

[Artificial Intelligence and Business \(5 ECS\)](#)

[Business Forecasting \(5 ECTS\)](#)

[Generative AI with LLMs \(10 ECTS\)](#)

### D.3 Andre kurser på Data Science

[Deep Learning \(10 ECTS\)](#)

[Statistical Learning and Machine Learning \(10 ECS\)<sup>1\)</sup>](#)

1) Kun muligt som valgfag for bachelorstuderende på 5. semester.

#### Bemærkninger:

- Kurser markeret med **GRA** ser vi som kernekurser og er anbefalede.
- (P) betyder "projekt".
- Nogle kurser på Økonomi er skemalagt på samme tidspunkt, så det derfor kun er muligt at vælge et disse kurser.

Last update: 24 April 2024