

Course Organization and Exam Instructions

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Course main topics cover:

- Introduction to Causality and Causal Inference
- Bayesian Networks, Causal Networks and Structural Equation Models
- Identification and Estimation of Causal Effects
- Causal Discovery from Observational and Interventional Data
- Counterfactuals Reasoning

Course Schedule (1)

The course is organized as follows:

- **13 theoretical lectures** in physical presence of erogative nature
- **5 hands-on sections** in physical presence of erogative and interactive nature
- **3/4 online seminars** of erogative and interactive nature

All the lectures and seminars will be recorded and loaded on the page of the course

Course Schedule (2)

Lectures will be held on:

- **Wednesday:** 16:30 – 18:30 - *room: U14-T023*
- **Friday:** 14:30 – 17:30 - *room: U14-T023*

The full calendar is available on the course page. Any changes will be communicated.

Exam Description

The exam is organized in three parts:

- **Oral Presentation:** 10 minutes presentation of a specialized literature scientific paper assigned by the professor (write an email to ask for it)
- **Applied Project:** development of a software program implementing one algorithm described in a scientific paper
- **Theoretical Questions:** discussion of the main topics of the course (students may be asked to answer some questions on paper the day of the exam)

No intermediate assessments are scheduled.

Exam Delivery Instructions (1)

Delivery Deadlines:

- Slides must be submitted at least **one day before the exam** session.
- The project must be submitted at least **one week before the exam** session.

Publication Dates:

- Project Instructions will be published on 3 December 2025

Exam Delivery Instructions (2)

Oral Examination

- An upload form will be available on the page of the course.
- Upload the slides named as: BADGENUMBER_SURNAME_NAME_slides.pdf

Project

- An upload form will be available on the page of the course.
- You are expected to submit a [Colab Notebook](#).
- Download the notebook via File > Download > Download .ipynb.
- Upload the notebook named as: BADGENUMBER_SURNAME_NAME_project.ipynb

Exam Evaluation Criteria

Exam Score:

- **Oral Presentation:** up to 15 points
- **Applied Project:** up to 8 points
- **Theoretical Questions:** up to 10 points

The maximum score is 33 points; the *laude* will be awarded for scores over 31 points.