Computability and Complexity (CoCo) 2026

Lecturers

Jakob Nordström (main instructor)
Amir Yehudayoff

Algorithms & Complexity Section
Department of Computer Science (DIKU)

Teaching assistant

Lianna Hambardzumyan (start of course)
Varun Ramanathan (later in the course)

Course webpage

https://jakobnordstrom.se/teaching/CoCo26/
The course webpage contains all practical information about the course.
Announcements, problem sets submissions, questions, and discussions will be dealt with on Absalon.

Course material

Computational Complexity: A Modern Approach by Sanjeev Arora & Boaz Barak
Plus probably some other material towards the end of the course.
Advice: Prepare for lectures by skimming the chapter(s) specified in advance.

Problem sets

4 problem sets will be posted on the course webpage and on Absalon.
See course webpage for (tentative) deadlines and problem set rules.
Collaborations in groups of 2-3 encouraged.
But all solutions should be written **individually** and **from scratch** without sharing any material (or generating it from the Internet).
The best way to learn this type of material is not just by reading, but by "getting your hands dirty" working on problems.
Expect to have to think for quite some time about some of the problems.