

# Deep Learning

Spring 2026

Prof. Gilles Louppe  
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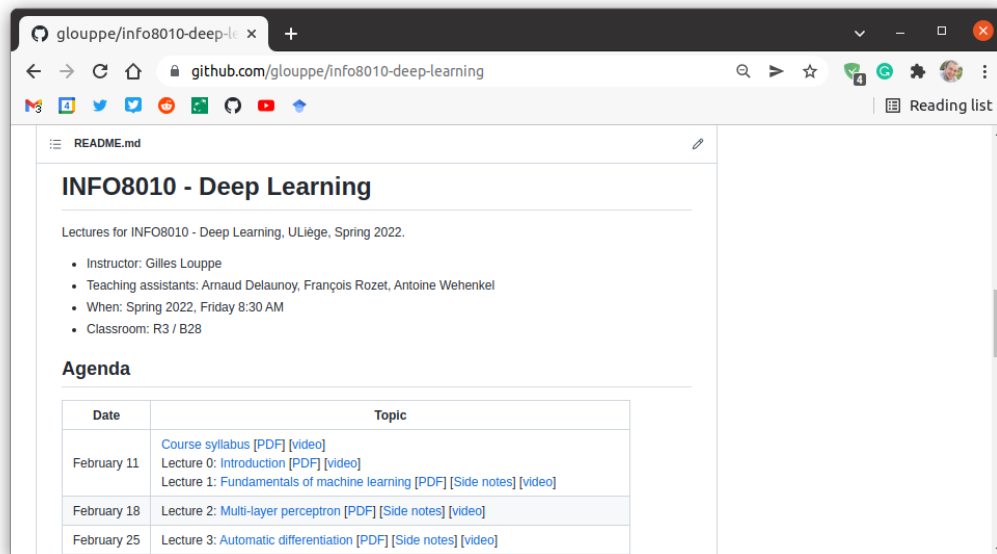
- Instructor: Gilles Louppe ([g.louppe@uliege.be](mailto:g.louppe@uliege.be))
- Projects and guidance:
  - Fanny Bodart
  - Elise Faulx
  - Julien Brandoit
  - Sacha Peters



# Course hub

All important information about the course is maintained on the course hub at [github.com/glouppe/info8010-deep-learning](https://github.com/glouppe/info8010-deep-learning):

- Schedule
- Slides and materials
- Homeworks and project



The screenshot shows a web browser displaying the GitHub repository page for 'glouppe/info8010-deep-learning'. The browser's address bar shows the URL 'github.com/glouppe/info8010-deep-learning'. The page content is the README.md file, which is titled 'INFO8010 - Deep Learning'. Below the title, it states 'Lectures for INFO8010 - Deep Learning, ULiège, Spring 2022.' and lists the following details:

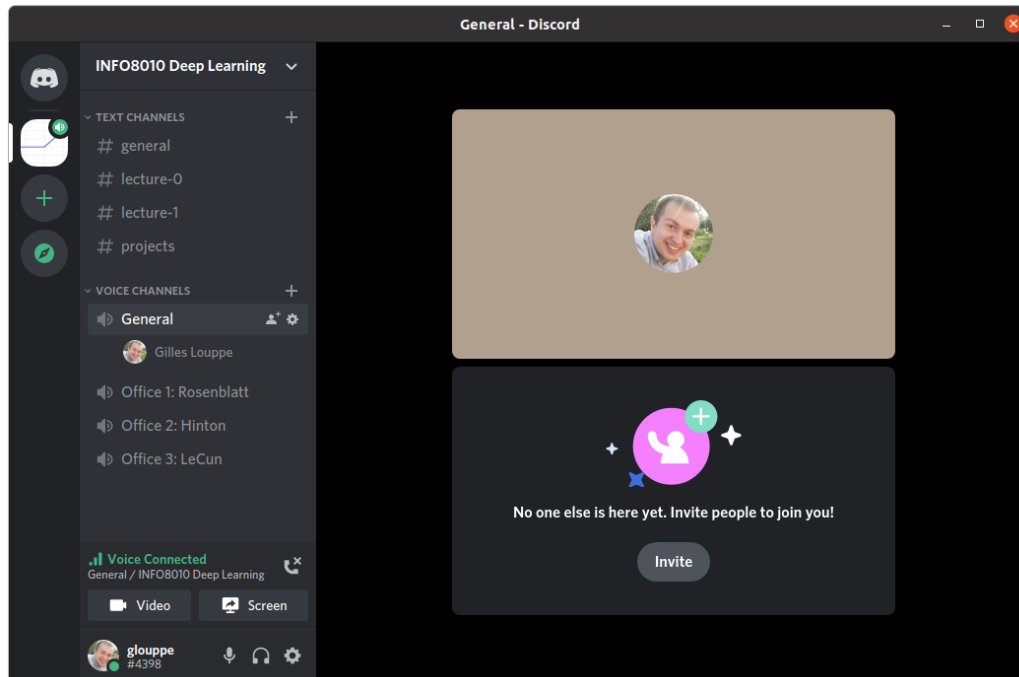
- Instructor: Gilles Louppe
- Teaching assistants: Arnaud Delaunoy, François Rozet, Antoine Wehenkel
- When: Spring 2022, Friday 8:30 AM
- Classroom: R3 / B28

Below this information, there is a section titled 'Agenda' which contains a table with the following content:

Date	Topic
February 11	Course syllabus [PDF] [video] Lecture 0: Introduction [PDF] [video] Lecture 1: Fundamentals of machine learning [PDF] [Side notes] [video]
February 18	Lecture 2: Multi-layer perceptron [PDF] [Side notes] [video]
February 25	Lecture 3: Automatic differentiation [PDF] [Side notes] [video]

# Discord

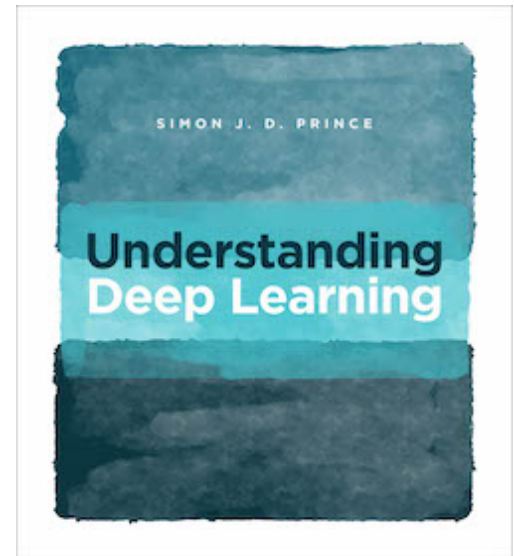
We have a Discord server for the course at <https://discord.gg/5yZqTZhXFW>. Ask questions, share resources, and chat with your peers and the teaching team.



## Textbook

We recommend *Understanding Deep Learning*, by Simon J.D. Prince, for a comprehensive introduction to the field.

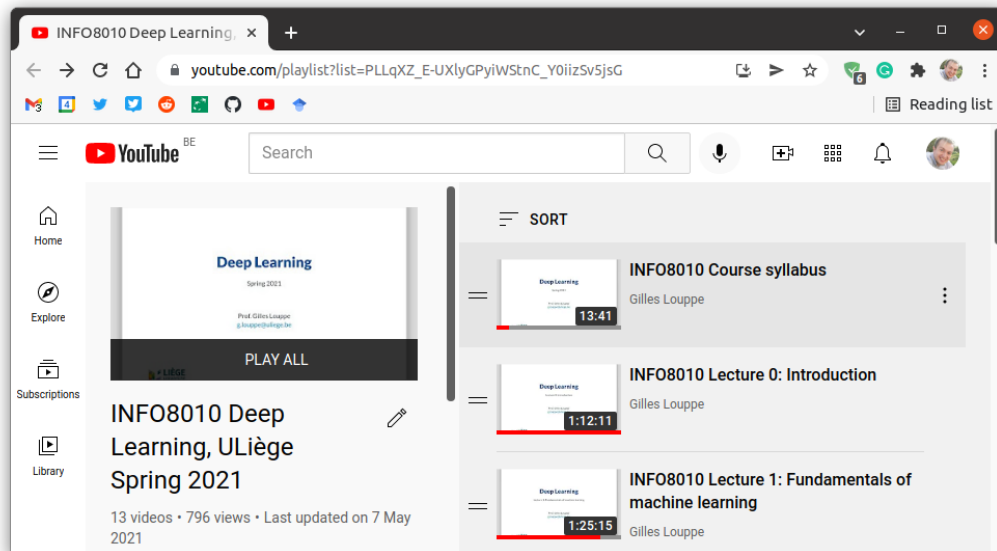
The book is freely available at <https://udlbook.github.io/udlbook/>.



# Videos

Videos from Spring 2025 are available [myUnicast](#).

Videos from Spring 2021 are available at [Youtube](#), but they are not up-to-date with the current materials.



# Projects

## **Homeworks**

Short exercises to get you started with the practicals of deep learning.

## **Project**

Programming project of your choosing to apply deep learning to a problem of your interest.

# Evaluation

- Oral exam (50%)
- Projects (50%)
  - Homeworks (10%) (optional)
  - Programming project (40% or 50%)

The programming project is **mandatory** for presenting the exam.



