

# Course 0: generalities and evaluation



**IMT Atlantique**  
Bretagne-Pays de la Loire  
École Mines-Télécom

# Discord server

- <https://discord.gg/ZuHcNMefaY> (use this link only to join the first time)
- Please immediately change your login to your first name and last name



## Sessions

- 1 Generalities about AI (today),
- 2 Supervised learning,
- 3 Unsupervised learning,
- 4 Deep Learning,
- 5 Foundation models,
- 6 Adaptation of models,
- 7 Debate - Ethics in AI,
- 8 Work on final project,
- 9 Final project presentation.

## Sessions schedule

Each session has (roughly) the same structure:

- Short quiz about the previous lesson (10 min),
- Lesson (1h),
- Lab Session,
- Project,
- Sessions 3, 4 and 9 include students' presentations

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## Lab sessions

- Python based
- sk-learn for "classical" machine learning
- pytorch for deep learning

## Evaluation modalities

- QCM on Moodle on the first course of the day (9:30 am in general)
- Documents or AI models to answer questions are forbidden during the QCM
- QCM have to be done in the room, **no remote access**
- Presentations - sessions 3,4 + **Final Deliverable** - session 9

# Course organisation (3/3)

Work in binomes.

## Reversed Classroom (Sessions 3 and 4)

- The group is the teacher!
- Presentations of 7+3 minutes
- Session 3 for odd number binomes
- Session 4 for even number binomes
- More details will be given on Discord

## Final presentation (Session 9)

- Work on a project of your choice
- Evaluation by the teachers
- More details will be given in due time