

Evaluation –course on « Inverse problems and high dimension »

SCHEDULE : see [the course website](#)

1/ **Final written exam: No document allowed** –**Monday March 27rd**

2 / **Project:** paper / chapter presentation

- **Wednesday March 15th** : Submission deadline (slides + ½ page report)
- **Monday March 20th**: Oral session (10 minutes of questions per group)

EXPECTED PROJECT WORK

a. **Written document: critical review**

Written in French or English, on **half a page**, as a **critical review** summary of the topic, its stakes, the difficulties, novelties, main results, discussion of pros and cons of the paper.

Writing style, grammar and spelling must be done with care.

b. **slides**

The presentation is a **15-minutes lecture** and 10min questions.

PDF version of slides with page numbers to be made available to the course lecturers.

Mandatory participation of all students to the oral session to answer questions from the course lecturers.

It is important to **respect the allotted duration of the lecture** : do not hesitate to use a timer!

A limited duration lecture cannot contain the same information as a 20 to 30 pages paper / chapter : **you have to make choices to bring us a viewpoint on the addressed topic**. Roughly count 1 minute 30 per slide, and seek a good **balance between giving a global view and being technically precise on selected aspects**.

Adapting the content to the expected background of the targeted audience is important: here the audience consists of the course lecturers as well as **all the students who followed the course**.

As an example, a standard lecture structure can be as follows: considered problem and its context; state of the art approaches and/or approaches studied during the course; proposed approach; synthesis and discussion, possibly highlighting your own contributions (critical perspective, complementary bibliographical study, implementation, difficulties ...); conclusion.

Among other things, the grade will reflect an evaluation of:

Your understanding of the topic and of the studied papers / chapters.

Your ability to explain them: many persons in the audience are not necessarily experts.

Your critical analysis of the studied papers / chapters. Positive and negative criticism are both welcome, as appropriate.

Possible complementary bibliographical references bringing additional viewpoints.

PLANNED PRACTICALITIES

Submission of written report and slides by email to remi.gribonval@inria.fr and yohann.de-castro@ec-lyon.fr