

## Information Sheet

Lecturer: A. Tchamkerten (3.C51, [aslan.tchamkerten@telecom-paris.fr](mailto:aslan.tchamkerten@telecom-paris.fr))

Assistant: Sebastien Huot

Course website: <https://www.tchamkerten.com/telecom202b>

Lectures are Monday morning 10h15-11h45. Lectures alternate between full courses (1.5 hour) and course + exercise (0.5hour and 1h, respectively).

For each lecture, notes will be handled the week before. Studying these lectures before class is an excellent way to ace the course!

Exercise sessions (TD) consists of a list of exercises, some presented in the class, and some given as homeworks. Homeworks must be handled back at the beginning of the next lecture.

Grading policy: grade = 80% final exam +20% quizz grade

Office hours : 7/7

Bibliography:

- Course notes of Madhu Sudan <http://people.csail.mit.edu/madhu/ST13/>) and Venkatesan Guruswami <http://www.cs.cmu.edu/~venkatg/teaching/codingtheory/>
- Book Chapters “Essential coding theory” (<http://www.cse.buffalo.edu/faculty/atricourses/coding-theory/book/>) by Venkatesan Guruswami, Atri Rudra, and Madhu Sudan.
- Coding theory books: “The Theory of Error-Correcting Codes” by F.J. MacMilliams and N.J.A. Sloane and “Introduction to coding theory” by J.H. van Lint
- Information theory book: “Elements of Information Theory” by T. Cover and J. Thomas.

...About timing: lectures will start right on time. Unless “un cas de force majeure” if you think you might be late, just skip the current period and ask the notes of a colleague. If you need to leave the class early, let me know before the course starts.