

## Information Sheet

Lecturer: Ghaya Rekaya (A314, [ghaya.rekaya@telecom-paristech.fr](mailto:ghaya.rekaya@telecom-paristech.fr)), A. Tchamkerten (A313, [aslan.tchamkerten@telecom-paristech.fr](mailto:aslan.tchamkerten@telecom-paristech.fr))

Course website: <http://perso.telecom-paristech.fr/tchamker/teach.html>

Lectures are Mo 8h:45-11:45 and consists of 3 periods of 55 minutes each, 2 lecture period followed by one exercise period. Between periods there is a 7 minute break. Exceptionally, the first lecture consists of a 3 period lecture.

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: final grade = 70% final exam +15% homeworks average +15% quizz grade

To pass the course: your final grade must be  $\geq 10/20$ .

Office hours : 7/7

### Bibliography:

- Course notes of Madhu Sudan (MIT, <http://people.csail.mit.edu/madhu/ST13/>), Venkatesan Guruswami (<http://www.cs.cmu.edu/~venkatg/teaching/codingtheory/>)
- Book Chapters “Essential coding theory” (<http://www.cse.buffalo.edu/faculty/atri/courses/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.