





Organization

Professors:

► Lectures: Nicolae Cleju

► Laboratories: Irina Pavel

Grades

ightharpoonup Final grade = 0.6 Exam + 0.4 Overall semester grade (Lab + Tests)

Time schedule

- ▶ 14 weeks of lectures (3h each)
- ▶ 14 weeks of laboratories (2h each)
- ▶ Office hours: (best by appointment)

Exercises & Tests

- ► There will be 2 semester tests during lectures, approximately in 5th and 10th week
 - we'll discuss the schedule during classes
- Exam: exercises (two thirds) & theory questions (one third)

Course structure

- 1. Chapter I: Discrete Information Sources
- 2. Chapter II: Source Coding
- 3. Chapter III: Discrete Transmission Channels
- 4. Chapter IV: Error Control Coding

Bibliography

- 1. *Elements of Information Theory*, Valeriu Munteanu, Daniela Tarniceriu, Ed. CERMI 2007
- 2. *Elements of Information Theory*, Thomas M. Cover, Joy A. Thomas, 2nd Edition, Wiley 2006
- 3. Transmisia si codarea informatiei, lectures at ETTI (Romanian)
- 4. *Information and Coding Theory*, Gareth A. Jones, J. Mary Jones, Springer 2000
- Lecture notes (draft version) are available on Github.
- ► All materials are on Github.