



Organization

- 4 credits
- Professors
 - Lectures: Nicolae Cleju
 - Laboratories / Seminar: Nicolae Cleju
- ▶ Time schedule
 - ▶ 14 weeks of lectures (2h each)
 - ▶ 14h laboratory = 7 laboratories × 2h each
 - ▶ 14h seminar = 7 seminars \times 2h each
- My office hours: To Be Announced (best by appointment)

Evaluation

- ► Exam = 60%
 - ▶ 60% of final grade
 - Exercises and Theory
 - Similar to Information Theory exam
- ► Applications = 40%
 - Laboratory = 20%
 - ▶ in Matlab / Simulink
 - ► activity throughout semester (10%)
 - ▶ final laboratory practical test in Matlab / Simulink (10%)
 - ► Seminar + Intermediate tests = 20%
 - ▶ 3 tests: in Week 5, Week 8 and Week 11
 - test = one exercise, 30 minutes, during seminar
 - Tests grade = average of the three tests grades + presence at Seminar
- Final grade = 60% Exam + (20% Lab + 20% Tests)

Course structure

- 1. Chapter I: Random signals
- 2. Chapter II: Statistical decision theory
- 3. Chapter III: Statistical estimation

Bibliography (TBD)

- 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

Online access

- Moodle platform: edu.etti.tuiasi.ro
- github.com: https://github.com/nikcleju/DEDP_Course