INFORMATION THEORY AND CODING

Time and location:
- Tuesdays, 13:15–15:00, INM 202 (lecture)
- Tuesdays, 15:15–16:00, INM 202 (exercise)
- Fridays, 13:15–15:00, INM 202 (lecture)
- Fridays, 15:15–16:00, INM 202 (exercise)

Instructor:
- Emre Telatar (INR 117, 37693, Emre.Telatar@epfl.ch)
  Office hours: by appointment.

Teaching assistants:
- Shrinivas Kudekar (INR 034, 37517, shrinivas.kudekar@epfl.ch)
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Administrative assistant:
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Prerequisites:
- Probability and Statistics (I and II) or
- Stochastic processes for communications

Web page: http://ipg.epfl.ch, (navigate to: Courses, and then to: Information Theory and Coding)


Course mechanics:
- Weekly assignments,
- Midterm quiz (50%), Tentative Date: Friday, November 9.
- Final exam during finals period (50%).

Approximate Outline:
- Information Measures (1–2 lectures)
- Data Compression (8–10 lectures)
- Data Transmission (8–10 lectures)
- Coding Techniques (2–3 lectures)
- Lossy Data Compression (2–3 lectures)
- Additional Topics (2–3 lectures)

Reference Material: