Principles of Digital Communications

Time and location:
   Wednesdays, 15–18, INM 202
   Fridays, 10–13, INM 202

Instructor:
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Graduate teaching assistants:
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Prerequisite:
   Signal processing for communications
   Stochastic processes for communications

Textbook:
   B. Rimoldi, Principles of Digital Communication: A Top-Down Approach,

Grading:
   Two quizzes (10%),
   Midterm exam (35%),
   Project (15%),
   Final exam during finals period (40%).

Approximate Outline:
   Hypothesis testing and discrete-time receiver design (3 weeks)
   Continuous-time receiver design (3 weeks)
   Signal constellation design (3 weeks)
   Waveform design, coded transmission (3–4 weeks)
   Additional topics (1–2 weeks)