



• VVZ: Student Seminar in Probability Theory (401-3600-24L)

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- References: mainly lecture notes on random graphs available online (by Nicolas Curien and Sébastien Roch) and "Random Graphs and Complex Networks" by Remco van der Hofstad (Cambridge University Press, 2017 available online
- Time: Thursdays, 12:15-14:00.

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- Introduce the relationship between number theory and probability theory. Use probabilistic tools and methods to study prime numbers.

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 - Participants come well prepared.
 - Clarification of questions, discussion of the talk's structure, and exchange about intuition.

Semester plan (tentative)

Week(s)	Date	Talk
0	Feb 22	Introduction (I. Kortchemski)
1 & 2	Feb 29 & Mar 7	Pair 1
3 & 4	Mar 14 & 21	Pair 2
5 & 6	Mar 28 & Apr 11 1	Pair 3
7 & 8	Apr 18 & 25	Pair 4
9 & 10	May 2 & 16 ²	Pair 5
11 & 12	May 23 & May 30	Pair 6

ETH zürich

Probability Group

¹Apr 4: Easter break

²Mai 9: Ascension day

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- Active participation to the seminar.

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- Active participation to the seminar.
 - read the material in parallel to the talks.

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 - week 7 second talk.
- Active participation to the seminar.
 - read the material in parallel to the talks.
 - ask questions during the talk of your colleagues.

Selection procedure

If you are interested in participating, two actions required:

- (1) Send an email to Marion Allemann-Kodlinsky marion.allemann@math.ethz.ch before January 8 with the following information:
 - indicate your previous courses in the field of probability
 - explain in a few lines that explain why you are interested in attending the Student Seminar in Probability Theory.
- (2) Parallel enrollment via myStudies (opens on January 1).

- Confirmation of participation: mid-January.
- More detailed presentation of the talks, pairing and distribution of first talks: meeting on January 25.