MATH 60: SCHEDULE AND READING

All readings are from [1] unless otherwise noted. Note that this schedule is subject to change and will be updated regularly. Updates to the schedule will be announced on canvas.

Week	Topic	Reading
3/26	Probability axioms and definitions, discrete and continuous probability distributions	1,2, 5.1
4/2	Combinatorics, Conditional Probability	3, 4
4/9	Key probability models, Expected Value and variance, moments	5, 6
4/16	Sums, Weak LLN	7, 8
4/23	Generating functions, CLT last week of midterm material	10
4/30	Markov Chains, branching, Poisson Processes	10, 11
5/7	First passage time, Extreme value statistics	11, 12
5/14	Random Walks, Diffusion	12
5/21	TBD/Project	TBD

References

[1] Charles Miller Grinstead and James Laurie Snell. *Grinstead and Snell's introduction to probability*. Chance Project, 2006.