

Syllabus for MATH 557, Fall 2013

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We will cover Chapters 1–5 of the Mathematical Logic notes, Chapters 1 and 2 of the Foundations of Mathematics notes, and all of the Incompleteness and Undecidability notes.

August 27 - **ML notes:** §§1.1–1.3

August 29 - §1.4

September 3 - §1.5

September 5 - §§1.6–1.8

September 10 - §§2.1–2.2

September 12 - §2.3

September 17 - §2.4

September 19 - §2.5

September 24 - §2.6

September 26 - §2.7

October 1 - §3.1, §3.3 except completeness of LH

October 3 - §3.2 plus completeness of LH

October 8 - §3.4

October 10 - §3.5

October 15 - §§4.1–4.2

October 17 - §§4.3–4.5

October 22 - **Midterm Exam**

October 24 - **ML notes:** §§5.1–5.2

October 29 - §5.3

October 31 - §5.4, §5.8

November 5 - §5.5

November 7 - §§5.6–5.7

November 12 - **FoM notes:** §§1.1–1.2

November 14 - §1.3

November 19 - §§1.4–1.5

November 21 - §§1.6–1.8

December 3 - §§2.1–2.3

December 5 - **I&U notes:** §1, first half

December 10 - §1, second half

December 12 - §2