MHF 6306, Section 02G6
MWF 8th (3:00-3:50), Little 233

Instructor: Douglas Cenzer

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This course is the first of a two-part introduction to mathematical logic at the graduate level.
The main topics are model theory, computability, and set theory. The course will begin with a review of
basic logic, including the language of predicate logic, mathematical structures, and deductions, including Godel's
Completeness Theorem. Fall semester will include an introduction to computability, leading to Godel's Incompleteness
Theorem, and an introduction to model theory.

REFERENCES

Fundamentals of Mathematical Logic, Peter Hinman

Model Theory, an Introduction, by David Marker

Computability Theory, by Barry Cooper

Foundations of Mathematics Notes, by Cenzer, Larson, Porter, Zapletal

    Foundations Notes

    Syllabus

IMPORTANT: The first class meeting will be Friday, August 25.

Please read Chapter 3 of the Foundations Notes.

    Problem Set One