

MATH 70100: Functions of a Real Variable.

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I will cover topics outlined in the MATH 70100 syllabus and likely parts of MATH 70200 syllabus (e.g., measure theory and the Lebesgue integral):

http://www.gc.cuny.edu/CUNY_GC/media/CUNY-Graduate-Center/PDF/Programs/Math/Real-Syllabus.pdf

The principal textbook will be:

W. Rudin, Principles of Mathematical Analysis, Third Edition, McGraw-Hill, 1976.