Syllabus Math 504: Set Theory, Fall 1998

John T. Baldwin

January 9, 2005

Class meets in 117 Taft MWF at 11.

Text: Kunen, Set Theory, An introduction to independence proofs

Good background introductions to set theory are available by Roitman, Moschovakis, Enderton and Devlin.

Other sources for Axiomatic Set Theory: Jech's survey on pcf theory Dec. 1995, Bulletin of Symbolic Logic

Burgess, Forcing Handbook of Math Logic, several Devlin books on Constructibility

We intend to cover the book roughly as follows I.1-I.11 (5 weeks), III.1-III.5, IV.1-IV.7 (4 weeks), V,VI.1-VI.4(2 weeks),II.1-II.3 VII.1-VII.6 (4 weeks).

There will be approximately 5 homework assignments and a final exam. I expect the homework to turned in promptly.

Office hours M-W-F at 10.

Feel free to e-mail me at jbaldwin@uic.edu or phone 312-226-1897 to make an appointment to discuss any difficulties that arise. Office: 327 SEO. Office phone: 312-413-2149