Syllabus Math 504: Set Theory, Fall 1998

John T. Baldwin

August 25, 1998

Class meets in 320 Taft MWF at 11 (until we are thrown out).

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

other sources used: Jech's survey on pcf theory Dec. 1995, Bulletin of Symbolic Logic

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

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

We intend to cover the book roughly as follows I.1-I.11 (5 weeks), III.1-II.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. I will also hold office hours from 4-5 on Monday; but this session will be cancelled for some departmental colloquia.

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: 417 SEO. Office phone: 312-413-2149