Math 4317
Spring 2002
A. D. Andrew

Monday	Tuesday	Wednesday	Thursday	Friday
Jan	**1**	**2**	**3**	**4** Introduction 1 - sets 2 -functions
7 3 – countability 5 - order	**8**	**9** 6 – completeness	**10**	**11** 7 – nested cells, Cantor set
14 8 – Rp, norms	**15**	**16** 8 – norms 9 – open, closed sets	**17**	**18** 10 – nested cells
21 HOLIDAY	**22**	**23** 10, continued	**24**	**25** 11 - compactness
28 11 compactness	**29**	**30** 11 – compactness 12 – connectedness	**31**	**1** 12 - connectedness
4 Feb 12 - conectedness	**5**	**6** 14, 15 - sequences	**7**	**8** HOUR TEST
11 Discuss test	**12**	**13** 16 – Bounded, monotone sequences	**14**	**15** DROP DAY 16 – Cauchy sequences
18 23 - contractions	**19**	**20** contractions, e	**21**	**22** 20 - continuity
25 20, 22 - continuity	**26**	**27** 22 - continuity	**28**	**1** 23 – uniform continuity PROJECT DUE
4 Mar SPRING BREAK	**5** SPRING BREAK	**6** SPRING BREAK	**7** SPRING BREAK	**8** SPRING BREAK
11 23 – uniform continuity	**12**	**13** 17, 24 – sequences of functions	**14**	**15** HOUR TEST
18 Discuss Test	**19**	**20** 24 – uniform convergence	**21**	**22** 24 – Bernstein, Weierstrass Theorems
25 24 – Bernstein, Weierstrass Theorems	**26**	**27** 34 – infinite series	**28**	**29** 35 – tests for absolute convergence

1 Apr 35, 36 – tests for convergence and absolute convergence	**2**	**3** 36 – convergence tests	**4**	**5** 37 – series of functions, uniform convergence
8 37 – series of functions, uniform convergence	**9**	**10** 37 – power series	**11**	**12** 38 – Fourier series PROJECT DUE
15 38 – Fourier series	**16**	**17** 38 – Fourier series	**18**	**19** HOUR TEST
22 Discuss Test	**23**	**24** Review	**25**	**26** Review
29 EXAM WEEK	**30** EXAM WEEK	**1** EXAM WEEK	**2** EXAM WEEK	**3** EXAM WEEK