Fall 2003
A. D. Andrew
Math 2605 A1-A3

Monday	Tuesday	Wednesday	Thursday	Friday
18 Aug 12.1-12.4: Vectors, dot product	**19**	**20** 12.5,12.6: Cross products, lines	**21**	**22** 12.7: Planes
25 14.1-14.3: Functions of several variables	**26**	**27** 14.2-14.4: Surfaces, level sets, partial derivatives	**28**	**29** 14.5, 14.6: Limits, continuity, mixed partial derivatives
1 Sept HOLIDAY	**2**	**3** 15.1, 15.2: Differentiability, gradient, directional derivative	**4**	**5** 15.3, 15.4: Chain rules, tangent planes
8 15.4, 15.5: Tangent planes, optimization	**9**	**10** 15.5, 15.6: Optimization	**11**	**12** 15.5, 15.6: Optimization
15 15.8: Finding a function from its gradient	**16**	**17** Review Eigenvalues	**18** HOUR TEST	**19** Web Notes: Eigenvalues of symmetric matrices
22 Web Notes: Eigenvalues of symmetric matrices	**23**	**24** Web Notes: Eigenvalues of symmetric matrices	**25**	**26** DROP DAY Web Notes: Householder reflections
29 Web Notes: Householder reflections	**30**	**1** Web Notes: Householder reflections	**2**	**3** Web Notes: QR and Schur factorizations
6 Oct Web Notes: QR and Schur factorizations, Least squares	**7**	**8** Web Notes: QR and Schur factorizations, Least squares	**9**	**10** Web Notes: Singular Value Decomposition
13 HOLIDAY	**14** HOLIDAY	**15** Web Notes: Singular Value Decomposition	**16**	**17** Web Notes: Singular Value Decomposition, Pseudoinverse
20 Web Notes: Perturbation Theory	**21**	**22** Review Pertutbation Theory	**23** HOUR TEST	**24** Web Notes: Perturbation Theory
27 Web Notes: Linearization	**28**	**29** Web Notes: Linearization	**30**	**31** Web Notes: Linearization
3 Nov Web Notes: Phase Portraits	**4**	**5** Web Notes: Phase Portraits	**6**	**7** Web Notes: Phase Portraits
10 Web Notes: Rotations	**11**	**12** Web Notes: Rotations	**13**	**14** Web Notes: Rotations

17 Web Notes: Rotations 13.1-13.3: Vector Functions, curves	**18**	**19** Review 13.3,13.4: Curves, Arc length	**20** HOUR TEST	**21** 13.5, 13.7: Acceleration, curvature
24 16.2, 16.3: Multiple integrals	**25**	**26** 16.4, 16.5: Multiple integrals	**27** HOLIDAY	**28** HOLIDAY
1 Dec 16.9, 16.10: Multiple integrals	**2**	**3** Review	**4**	**5** Review
8 EXAM WEEK	**9**	**10**	**11**	**2**