Matematics A1
Schedule

2009/2010/1

No. week				
1	09. 7. Mo		Introduction to complex numbers. Operations, solving equations	
	09. 8 Tue		Complex numbers (cont.)	
	19.11. Fri		Complex numbers (cont.)	Quiz 1
2	09. 14. Mo		Vectors in 3-space	
	09. 15 Tue		NO CLASS (University day)	
	09.18. Fri.		Lines and planes in 3-space	Quiz 2
3	09. 21. Mo		Lines and planes in 3-space (cont.)	
	09.22 Tue		Numerical sequences.	
	09 25. Fri		Numerical sequences	Quiz 3
4	09.28. Mo		Elementary functions, inverse function	
	09.29. Tue		Inverse trig functions , Hyperbolic functions and their inverses	
	10. 2. Fri		Limit of functions	Quiz 4
5	10. 5. Mo		Limit of functions (cont.)	
	10. 6 Tue		Continuity.	
	10. 9 Fri		Derivation, rules of differentiation.	Quiz 5
6	10. 12. Mo		Derivatives of elementary functions	
	10. 13 Tue		Practice	
	10. 16. Fri		MIDTERM TEST 1	
7	10. 19. Mo		Mean value Theorem	
	10. 20 Tue		L'H rule. Extremal values, concavity.	
	10. 23. Fri		NO CLASS (day off, national holiday)	
8	10. 26. Mo		Graphing functions	
	10. 27 Tue		Curve skatching	
	10.30. Fri		Optimization	Quiz 6
9	11. 2. Mo		Derivation of impicitely given functions, parametrized curves	
	11.3. Tue		(cont.)	
	11. 6. Fri		Taylor-polinomial, Taylor's theorem	Quiz 7
10	11. 9. Mo		(cont.)	
	11. 10 Tue		Indefinite integral	
	11. 13. Fri		Integration by parts, rational fractions	Quiz 8
11	11. 16. Mo		Integration by substitution.	
	11. 17. Tue		Practice of integration techniques	
	11. 20. Fri		Definite integral. Applications: area of region between curves, arc length	Quiz 9
12	11. 23. Mo		Practice	
	11. 24. Tue		Practice	
	11. 27. Fri		NO CLASS (open day for high school students)	
13	11. 30. Mo		MIDTERM TEST 2	
	12. 1. Tue		More applications of Definite integrals: surface area, volume of solids of rotation, centroid of regions	
	12. 4. Fri		Improper Integrals	
14	12. 7. Mo		Improper integrals (cont.)	Quiz 10
	12. 8. Tue		(cont)	
	12. 11. Fri		REP. TEST 1	

Sept. 7th , 2008

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