Math 1	35: Honors Calculus	Syllabus	Fall 1994
Aug. 31	I2, I3.2–4 Axioms for real numbers	#1,p.19:4,5,8,9,10, p.	22:2,4,5,9,10
Sep. 1	I3.6–7 Inductive sets, Integers, Rationals		
2	I4.1–2 Induction	#2, p.35:1-6, 9, 12	
5	I4.6 Summation notation	#3,p.40:3,4,5,6,8,11	
7	I4.8 Absolute value and triangle inequality	#4, p.43:1, 2 + suppl.	
8	Quiz 1		
9	I4.10 Pascal's triangle, binomial theorem		
12	1 1–4 Functions	#5 p 56:5 6 8 10 11	
14	1.4.1.8 Polynomials ordinate sets	#6 p 63:1-4	
15	Ouiz 2	#0,p.05.1 4	
16	1 9–10 Partitions and step functions	#7 n 70.1 2 3 4 62 11	
10	1.12 13 Integrals for stop functions	$\frac{\#1, p.10.1, 2, 5, 4, 0a, 11}{\#2 \mod 12, 2, 11 + 3}$	uppl
13	Sup and inf	#0, 16a0 15.0-11 + 50	աթք.
21	Sup and $\lim_{n \to \infty} 2^n$		
22	Quiz 3		
23	1.16–17 Upper & lower integrals		
26	1.20-1.21 Monotonic functions and integrability	#9, p.83:1-4, 10, 16, 20, 3	21-23,25
28	1.22–23 Calculation of integrals, $\int x^p dx$		
29	Quiz 4		
30	1.24-25 Properties of integrals, polynomials	#10, p, 94:1-7, 11, 15, 17	7
Oct. 3	2.2 Area between curves		
5	2.2 More area	#11, p.104:1-5, 8, 9, 14,	15
6	Quiz 5		
7	2.5–7 Trig functions		
10	2.16 Average value of a function	#12,p.119:1-4,11,18,1	19+20 = a' only
12	2.18 Integral as function	#13,p.124:1.3,5,7	v
13	Exam 1		
14	Go over Exam		
17	3.1 Limits	#14_suppl	
10	3.2 More limits	π 14, Suppl.	
20	Ouiz 6, 3.3 Continuity		
20	2 4 Continuity	$\#15 \pm 129.1 = 5 \times 10.1$	5 90 99 99
21	Midaemaster Breek	#15,p.158.1-5,8-12,1	3,20-23,32
22-30	2.4 Mana constitution		
01 N 0	2.5 Denie Limit The man	//16 149:1 91 (+ - 00 = 0
Nov. 2	3.5 Basic Limit Theorems	#16, p.142:1-21 (ans.	to 20 is 2)
3	Quiz 7, 3.7 Composite functions		21)
4	3.9 Bolzano's Theorem	#17,p.145:1–6 (omit	2bc)
7	3.10 Intermediate Value Theorem		
9	3.12 Inverse functions	#18, p.149: 1-5 + sup	opl.
10	Quiz 8		
11	3.13–14 Properties of inverses		
14	3.16 Boundedness Theorem, Extreme Value Theor	tem $\#19$ suppl.	
16	3.17–18 Small Span Thm, Integrability of cont. fn	s. $\#20, p.155:1-3, 6-8$	
17	Quiz 9		
18	3.19 Mean Value Theorem, Derivatives		
21	4.1–4 Derivatives	#21, suppl. (p.105 in	notes)
23	4.5 Power rule, higher derivatives	#22, p.167:3-12, 16-23	3,25-38
24	Thanksgiving	··· /* /	
28	4.6–10 Tangent line, chain rule	#23.p.173: 1-5.7.9.14	4,15
30	4.11 Implicit derivatives	#24.p. 179:1–19odd	/
Dec. 1	Exam 2	// 7F. 1.0.1 10044	
200.1	4.11 Related rates	#25 p 180·20-24 30-3	34
5	4 13 Extreme values	$\frac{1120, p.100, 200, 21, 500}{\pm 26 \text{ p} \cdot 186 \cdot 1 - 9}$	
5 7	4 14Mean Value Theorem for Derivatives	#20, p.100, 1-9 #27 p 101.1-14	
0	Quiz 10 4 17 2nd derivative test	$\#_{21}, p.131.1-14$	
8	Quiz 10, 4.17 Zhu derivative test	(#99 - 104 + 10 - 11)	
9	4.17 CONVEXILY	(#28,p.194:1–190dd)	
12	Extrema problems, review, student evaluations		
14	Study Day		

Mon. 19 Final Exam, 1:45–3:45