DENOMINACIÓN ASIGNATURA: CALCULUS I		
GRADO: ESTADÍSTICA Y EMPRESA	CURSO: 1º	CUATRIMESTRE: 1

CRONOGRAMA DE LA ASIGNATURA

SEMANA	SESIÓN	DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN	GRUPO (Marcar X)		Indicar espacio necesario distinto aula (aula inform, audiovisual etc..)	TRABAJO DEL ALUMNO DURANTE LA SEMANA		
			GRANDE	PEQUEÑO		DESCRIPCIÓN	HORAS PRESENCIALES	HORAS TRABJO Semana Máximo 7 H
1	1	NUMERICAL SYSTEMS. SEQUENCES	X			Readings on the theory of the week 1 Sections 1.1—1.3 and 10.2 (Salas); Apendix A2 (Stewart)	1,5	7
1	2	Exercises on the theory of the week 1		X		Exercises of the Sections above	1,5	
2	3	ANALYTIC GEOMETRY IN THE PLANE	X			Readings on the theory of the week 2 Section 1.4 (Salas); Apendix A10 (Stewart)	1,5	7
2	4	Exercises on the theory of the week 2		X		Exercises of the Sections above	1,5	
3	5	ELEMENTARY FUNCTIONS. GRAPHICS (CONTROL 1)	X			Readings on the theory of the week 3 Sections 1.5—1.8 (Salas); Chapíter 1 (Stewart)	1,5	7
3	6	Exercises on the theory of the week 3		X		Exercises of the Sections above	1,5	
4	7	LIMITS AND CONTINUITY	X			Readings on the theory of the week 4 Chapter 2 and Sections 10.3—10.6 (Salas); Sections 2.2—2.6 (Stewart)	1,5	7
4	8	Exercises on the theory of the week 4		X		Exercises of the Sections above	1,5	
5	9	CONTINUOUS FUNCTIONS ON [a,b]	X			Readings on the theory of the week 5 Section 2.6 (Salas)	1,5	7
5	10	Exercises on the theory of the week 5		X		Exercises of the Sections above	1,5	

6	11	DERIVABILITY OF FUNCTIONS. CALCULUS OF DERIVATIVES	X			Readings on the theory of the week 6 Sections 3.1—3.7 (Salas); Chapter 3 and section 2.8 (Stewart)	1,5	7
6	12	Exercises on the theory of the week 6		X		Exercises of the Sections above	1,5	
7	13	ROLLE'S THEOREM. MEAN VALUE THEOREM: CONSEQUENCES. L'HÔPITAL'S RULES (CONTROL 2)	X			Readings on the theory of the week 7 Chapter 4 (Salas); Chapter 4 (Stewart)	1,5	7
7	14	Exercises on the theory of the week 7		X		Exercises of the Sections above	1,5	
8	15	LOCAL STUDY OF A FUNCTION: TAYLOR'S THEOREM	X			Readings on the theory of the week 8 Sections 11.5 and 11.6 (Salas); Sections 3.7 and 3.11 (Stewart)	1,5	7
8	16	Exercises on the theory of the week 8		X		Exercises of the Sections above	1,5	
9	17	INDEFINITE INTEGRALS I	X			Readings on the theory of the week 9 Sections 5.5—5.7 (Salas); Sections 7.1—7.3 (Stewart)	1,5	7
9	18	Exercises on the theory of the week 9		X		Exercises of the Sections above	1,5	
10	19	INDEFINITE INTEGRALS II (CONTROL 3)	X			Readings on the theory of the week 10 Sections 8.1—8.6 (Salas); Sections 7.4—7.5 (Stewart)	1,5	7
10	20	Exercises on the theory of the week 10		X		Exercises of the Sections above	1,5	
11	21	DEFINITE INTEGRAL. FUNDAMENTAL THEOREM OF INTEGRAL CALCULUS. CALCULUS OF DEFINITE INTEGRALS	X			Readings on the theory of the week 11 Sections 5.1—5.4 (Salas); Sections 5.1—5.4 (Stewart)	1,5	7
11	22	Exercises on the theory of the week 11		X		Exercises of the Sections above	1,5	
12	23	APPLICATIONS OF THE INTEGRAL. IMPROPER INTEGRALS. RELATIONSHIP WITH NUMERICAL SERIES	X			Readings on the theory of the week 12 Chapter 6 and section 11.2 (Salas); Chapter 6 and section 7.8 (Stewart)	1,5	7
12	24	Exercises on the theory of the week 12		X		Exercises of the Sections above	1,5	
13	25	STUDYING AND GRAPHYING FUNCTIONS (CONTROL 4)	X			Readings on the theory of the week 13	1,5	7
13	26	Exercises on the theory of the week 13		X		Complementary exercises on the theory of the week 13	1,5	
14	27	OPTIMIZATION PROBLEMS	X			Readings on the theory of the week 14	1,5	7

14	28	Exercises on the theory of the week 14		X		Complementary exercises on the theory of the week 14	1,5	
SUBTOTAL							**42 + 98 = 140**	
15		Recuperaciones, tutorías, entrega de trabajos, etc						
16-18		Preparación de evaluación y evaluación					3	7
TOTAL							**150**	