



COURSE: FINANCIAL MATHEMATICS

DEGREE: FINANZAS Y CONTABILIDAD

YEAR:1

TERM:1

WEEKLY PROGRAMMING

WEEK	SESSION	DESCRIPTION	GROUPS		Date	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINAR SMALL		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS Maximum 7 H
1	1	COURSE PRESENTATION. INTRODUCTION. FINANCIAL TRANSACTION, DATED PAYMENTS. CAPITALIZATION, DISCOUNTING	X			READ CLASS NOTES		
2	2	FINANCIAL LAW, FINANCIAL SUM, FINANCIAL FACTOR, SIMPLE, COMPOUND CAPITALIZATION		X		READ CLASS NOTES	1,5	3
2	3	CAPITALIZATION LAWS, SIMPLE AND COMPOUND INTEREST, FRACTIONAL INTEREST	X			PREPARE AND DO EXERCISES	1,5	
3	4	EXERCISES WITH FINANCIAL EQUIVALENCE, FINANCIAL SUM, COMPUTATION OF PRESENT AND FUTURE VALUE, INTEREST RATES		X		READ CLASS NOTES	1,5	4
3	5	EFFECTIVE RATE IN A FINANCIAL TRANSACTION: EFFECTIVE APR, AVERAGE EFFECTIVE RATE, TERMS OF A FINANCIAL TRANSACTION, FORWARD AND SPOT INTEREST RATES	X			PREPARE AND DO EXERCISES	1,5	
4	6	EXERCISES: EQUIVALENT RATES OF INTEREST, APLICATIONS TO SIMPLE AND COMPOUND CAPITALIZATION, INTEREST RATES, FORWARDS AND SPOT		X		READ CLASS NOTES	1,5	7
4	7	SIMPLE COMMERCIAL DISCOUNT	X			PREPARE AND DO EXERCISES	1,5	
5	8	EXERCISES: DISCOUNTING		X		READ CLASS NOTES	1,5	4
5	9	REVIEW	X			PREPARATION FOR TEST 1	1,5	
6	10	TEST #1		X		READ CLASS NOTES	1,5	7
6	11	TREASURY BILLS, BILL DISCOUNTING	X			PREPARE AND DO EXERCISES	1,5	
7	12	EXERCISES ON TREASURY BILLS		X		READ CLASS NOTES	1,5	4
7	13	LETRAS DEL TESORO AND REPOS	X			PREPARE AND DO EXERCISES	1,5	
8	14	EXERCISES ON TREASURY BILLS AND REPOS		X		READ CLASS NOTES	1,5	7

8	15	ANNUITIES (I)	x			PREPARE FOR TEST 2	1,5	7
9	16	TEST #2		X		READ CLASS NOTES	1,5	4
9	17	ANNUITIES (II): DEFERRED AND ANTICIPATED ANNUITIES, COMPOUND VARIABLE ANNUITIES, PERPETUITIES	x			PREPARE AND DO EXERCISES	1,5	
10	18	EXERCISES WITH ANNUITIES		X		READ CLASS NOTES	1,5	7
10	19	BONDS: BOND PRICES, ACCRUED INTEREST, CLEAN AND DIRTY PRICE, YIELD	x			PREPARE AND DO EXERCISES	1,5	
11	20	EXERCISES WITH BONDS		X		READ CLASS NOTES	1,5	
11	21	STOCK PRICES: DISCOUNTED DIVIDEND MODEL, DILUTION	x			PREPARE AND DO EXERCISES	1,5	4
12	22	EXERCISES WITH BONDS AND STOCKS		X		READ CLASS NOTES	1,5	
12	23	LOANS: SIMPLE LOANS, AMERICAN METHOD, CONSTANT PAYMENT METHOD	X			PREPARE FOR TEST 3	1,5	4
13	24	TEST #3		X		READ CLASS NOTES	1,5	
13	25	LOANS: FRENCH METHOD, CALCULATIONS WITH CHANGING INTEREST RATE, EARLY CANCELLATION, DEFERMENTS, EFFECTIVE INTEREST RATE	X			PREPARE EXERCISES	1,5	7
14	26	LOAN EXERCISES		X		PREPARE EXERCISES AND EXAM	1,5	
SUBTOTAL							42	+ 74 = 116
15		Tutorials, handing in, etc						4
16-18		Assessment					3	27
TOTAL								150