



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		
1	2	FINANCIAL LAW, FINANCIAL SUM, FINANCIAL FACTOR, SIMPLE, COMPOUND CAPITALIZATION		x		READ CLASS NOTES—quiz 0	1,5	3
2	3	CAPITALIZATION LAWS, SIMPLE AND COMPOUND INTEREST, FRACTIONAL INTEREST	x			PREPARE AND DO EXERCISES	1,5	
2	4	EXERCISES WITH FINANCIAL EQUIVALENCE, FINANCIAL SUM, COMPUTATION OF PRESENT AND FUTURE VALUE, INTEREST RATES		x		READ CLASS NOTES—quiz 1	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	
3	6	EXERCISES: EQUIVALENT RATES OF INTEREST, APLICATIONS TO SIMPLE AND COMPOUND CAPITALIZATION, INTEREST RATES, FORWARDS AND SPOT		x		READ CLASS NOTES—quiz 2	1,5	7
4	7	SIMPLE COMMERCIAL DISCOUNT	x			PREPARE AND DO EXERCISES	1,5	
4	8	EXERCISES: DISCOUNTING		x		READ CLASS NOTES—quiz 3	1,5	4
5	9	REVIEW	x			PREPARATION FOR TEST 1	1,5	
5	10	TEST #1		x		READ CLASS NOTES	1,5	7
6	11	TREASURY BILLS, BILL DISCOUNTING	x			PREPARE AND DO EXERCISES	1,5	
6	12	EXERCISES ON TREASURY BILLS		x		READ CLASS NOTES —quiz 4	1,5	4
7	13	LETRAS DEL TESORO AND REPOS	x			PREPARE AND DO EXERCISES	1,5	
7	14	EXERCISES ON TREASURY BILLS AND REPOS		x		READ CLASS NOTES —quiz 5	1,5	7

8	15	ANNUITIES (I)	x			PREPARE AND DO EXERCISES	1,5	7
8	16	EXERCISES WITH ANNUITIES		X		READ CLASS NOTES—quiz 6	1,5	4
9	17	ANNUITIES (II): DEFERRED AND ANTICIPATED ANNUITIES, COMPOUND VARIABLE ANNUITIES, PERPETUITIES	x			PREPARE FOR TEST 2	1,5	
9	18	TEST #2		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	
10	20	EXERCISES WITH BONDS		X		READ CLASS NOTES—quiz 7	1,5	
11	21	STOCK PRICES: DISCOUNTED DIVIDEND MODEL, DILUTION	x			PREPARE AND DO EXERCISES	1,5	4
11	22	EXERCISES WITH BONDS AND STOCKS		X		READ CLASS NOTES—quiz 8	1,5	
12	23	LOANS: SIMPLE LOANS, AMERICAN METHOD, CONSTANT PAYMENT METHOD	X			PREPARE FOR TEST 3	1,5	4
12	24			X		READ CLASS NOTES —quiz 9	1,5	
13	25		X			PREPARE EXERCISES	1,5	7
13	26	TEST #3		X		PREPARE EXERCISES AND EXAM	1.5	
14	27	LOANS: FRENCH METHOD, CALCULATIONS WITH CHANGING INTEREST RATE, EARLY CANCELLATION, DEFERMENTS, EFFECTIVE INTEREST RATE						
14	28	LOAN EXERCISES						
SUBTOTAL							42	+ 74 = 116
15		Tutorials, handing in, etc						4
16-18		Assessment					3	27
TOTAL							150	