

		Teaching Guide				
	Identifying D	ata			2021/22	
Subject (*)	Financial Operations Analysis			Code	611G01004	
Study programme	Grao en Economía	'				
		Descriptors				
Cycle	Period	Year		Туре	Credits	
Graduate	1st four-month period	First		Basic training	6	
Language	Galician					
Teaching method	Face-to-face					
Prerequisites						
Department	Empresa					
Coordinador	Suarez Massa, Maria Isabel Ana E-mail isabel.suarez.massa@udc.es				assa@udc.es	
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	Suarez Massa, Maria Isabel Ana			isabel.suarez.ma	assa@udc.es	
Web	udc.fernandoaguiar.es					
General description	The objective of the subject is to know:					
	a) The elements that intervene in financial operations.					
	b) The financial laws most used in financial practice.					
	c) The characteristics, operations and usefulness of the most common financial operations.					

# Contingency plan

1. Changes in content

All content is maintained.

- 2. Methodologies
- \* Teaching methodologies that are maintained

Master Session

Problem resolution

Seminar

Short answer test

Mixed tests

- \* Teaching methodologies that are modified
- 3. Mechanisms for personalized attention to students

Microsoft Teams: It would be used to give the classes in the habitual schedule.

It would also be used in the tutoring hours of each teacher and the small group tutoring for student care.

Moodle: To carry out the tests (exams) and to carry out, if applicable, forums, at the end of each topic.

Email: To request virtual team meetings or make specific inquiries.

# 4. Modifications in the evaluation

If it is prohibited or not advisable due to the Covid-19, the tests will be carried out virtually through the Moodle platform. Except for the above, there will be no changes in them.

\* Evaluation observations:

In case of having to carry out the tests virtually, in order to be able to monitor the exam, students must have microphones and cameras open for the entire duration of the exam. We could also ask, for the same purpose, that they share the desk with the teachers or that they show us the environment (room) where the test is being done with the camera. In the event that a student does not meet this standard, the test would be canceled for him and it would be replaced by an oral test to be performed at another time.

5. Modifications of the bibliography or webgraphy

no modifications

	Study programme competences
Code	Study programme competences
A1	CE1- Contribuír á boa xestión da asignación de recursos tanto no ámbito privado como no público.
A2	CE2-Identificar e anticipar problemas económicos relevantes en relación coa asignación de recursos en xeral, tanto no ámbito privado
	como no público.
А3	CE3-Aportar racionalidade á análise e á descripción de calquera aspecto da realidade económica.
A4	CE4-Avaliar consecuencias e distintas alternativas de acción e seleccionar as mellores, dados os obxectivos.
A5	CE5-Emitir informes de asesoramento sobre situación concretas da economía (internacional, nacional ou rexional) ou de sectores da
	mesma.
A6	CE6-Redactar proxectos de xestión económica a nivel internacional, nacional ou rexional. Integrarse na xestión empresarial.
A7	CE7-Identificar as fontes de información económica relevante e o seu contido.
A8	CE8-Entender as institucións económicas como resultado e aplicación de representacións teóricas ou formais acerca de cómo funciona a
	economía.
A9	CE9-Derivar dos datos información relevante imposible de recoñecer por non profesionais.
A10	CE10-Usar habitualmente a tecnoloxía da información e as comunicación en todo a seu desempeño profesional.
A11	CE11Leer e comunicarse no ámbito profesional en máis dun idioma, en especial en inglés.
A12	CE12-Aplicar á análise dos problemas criterios profesionais baseados no manexo de instrumentos técnicos.



B1	CB1 - Que os estudantes demostren posuir e comprender coñecementos nun área de estudo que parte da base da educación secundaria
	xeral, e que soe encontrar nun nivel que, ainda que se apoia en libros de texto avanzados, inclue tamén algúns aspectos que implican
	coñecementos procedentes da vangarda do seu campo de estudo.
B2	CB2 - Que os estudantes saiban aplicar os seus coñecementos ó seu traballo ou vocación dun xeito profesional e posúan as
	competencias que se demostran por medio da elaboración e defensa de argumentos e a resolución de problemas dentro da su entorna
	de traballo.
В3	CB3 - Que os estudantes teñan a capacidade de reunir e interpretar datos relevantes (normalmente dentro da su área de estudo) para
	emitir xuizos que inclúan unha reflexión sobre temas relevantes de índole social, científica ou ética
B4	CB4 - Que os estudantes poidan transmitir información, ideas, problemas e solucións a un público tanto especializado como non
	especializado
B5	CB5 - Que os estudantes desenvolvesen aquelas habilidades de aprendizaxe necesarias para emprender estudos posteriores cun alto
	grao de autonomía
B6	CG1- Que os estudantes formados se convertan en profesionais capaces de analizar, reflexionar e intervir sobre os diferentes elementos
	que constitúen un sistema económico
B7	CG2 - Que os estudantes coñezan o funcionamento e as consecuencias dos sistemas económicos, as distintas alternativas de asignación
	de recursos, acumulación de riqueza e distribución da renda e estean en condicións de contribuír ao seu bo funcionamento e mellora
B8	CG3 -Que os estudantes sexan capaces de identificar e anticipar os problemas económicos relevantes, identificar alternativas de
	resolución, seleccionar as máis axeitadas e avaliar os resultados aos que conduce.
В9	CG4 -Que os estudantes respecten os dereitos fundamentais e de igualdade de oportunidades, non discriminación e accesibilidade
	universal das persoas con minusvalidez.
B10	
C1	CT1-Expresarse correctamente, tanto de forma oral coma escrita, nas linguas oficiais da comunidade autónoma.
C2	Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro.
C3	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e
	para a aprendizaxe ao longo da súa vida.
C4	CT2-Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a
	realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
C5	CT3-Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
C6	CT4-Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
C7	CT5-Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
C8	CT6-Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural
	da sociedade.

Learning outcomes		
Learning outcomes	Study pı	ogramme
	competences	
Know the principles that govern the operation of financial laws used in practice, along with their application to specific financial	A1	C4
operations.	A2	C5
	A8	
	A9	
	A11	
Know and identify the concept of financial operation, as well as its components, costs and returns. Know how to use these	А3	C1
concepts in specific financial operations and, particularly, in the concepts of APR and Amortized Cost.	A4	
	A8	
	A9	
	A11	
Know, value and develop loan operations, both from the point of view of the lender and the borrower.	A8	C7
	A9	
	A11	
	A12	

Understanding knowledge in the area of ??financial operations that starts from the base of general secondary education,		B1	
which is supported by advanced textbooks, also includes some aspects that involve knowledge from the forefront of their field		B2	
of study.		В3	
		B4	
- Know how to apply the knowledge to their work in a professional way and possess the competences that are usually		B5	
demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of ??work.			
- Know how to gather and interpret relevant data (usually within their study area) to issue judgments that include reflection on			
relevant issues of a social, scientific or ethical nature.			
- Transmit information, ideas, problems and solutions to a specialized and non-specialized audience			
-Develop learning skills necessary to undertake further studies with a high degree of autonomy			
Be able to value financial income as well as identify in which economic-financial operations and for what such values ??must	A5		C8
be applied Know how to perform management, advisory and evaluation tasks in business organizations	A6		
	A8		
- Know how to manage the concepts and techniques used in the different functional areas of the company, as well as	A9		
understand the relationships that exist between them and with the general objectives of the organization.	A11		
- Know how to make decisions, and, in general, assume managerial tasks.			
Use the appropriate computer tools to achieve more efficiency in the calculations necessary in the previous sections.	A9		C6
	A10		
	A11		
- Know how to make decisions, and, in general, assume managerial tasks.	A7	B6	C2
		B7	СЗ
		B8	
- Know how to identify and anticipate opportunities, allocate resources, organize information, select and motivate people,		В9	
make uncertain decisions, achieve the proposed objectives and evaluate results.		B10	
- Respect the fundamental rights and equality between men and women, respect the promotion of Human Rights and the			
principles of equal opportunities, non-discrimination and universal accessibility for people with disabilities.			

Contents				
Topic	Sub-topic			
Financial laws. General concepts	1. Concept of economic good.			
	2. Economic activity and financial activity.			
	3. Concept of financial capital and graphic representation.			
	4. Financial projection: concept and classes.			
	5. Financial laws: concept, characteristics and properties.			
Financial laws used in practice	Simple and compound capitalization.			
	2. Simple commercial and rational or mathematical discount. Commercial and rational			
	compound discount.			
	3. Continuous capitalization.			
	4. Equivalent interest rates.			

Financial operations	1. Concept, classes and components. Financial balance.
	2. Mathematical reserve or financial balance. Concept and methods of determination.
	3. Actual costs and returns.
	4. Practical applications. The APR concept. The effective cost and performance in the
	valuation rules of the General Accounting Plan. The Amortized Cost table according to
	the valuation rules of the General Accounting Plan.
	5. Financial sum and unified capital.
Income valuation	1. Concept, components and classes of income.
	2. Valuation of income. General method and particular cases.
	3. Practical applications. Obtaining the Net Present Value or Capital Value of an
	investment. Capital formation.
Loan operations	1. Concept of loan. Typology of loans.
	2. The financial balance in loan operations.
	3. Amortization tables. Concept, classes and obtaining these according to the different
	typologies.
	4. Financial value of a loan.
	5. Commercial characteristics of the loans: the lack and early repayment.
	6. The calculation of the effective cost for the lender, of the yield for the lender and of
	the APR and the CER second regulation of the Bank of Spain.

	Planning			
Methodologies / tests	Competencies	Ordinary class	Student?s personal	Total hours
		hours	work hours	
Mixed objective/subjective test	A5 A6 A8 A11 B3 B2	2	11	13
	C2			
Short answer questions	A5 A6 A8 B2 B3 B4	2	6	8
	B5			
Problem solving	A7 A8 A11 B2 B1 B3	25	50	75
	C3			
Seminar	A3 A4 A8 A9 A10 A11	3	6	9
	A12 B3 C6			
Guest lecture / keynote speech	A1 A2 A5 A6 A8 A11	14	30	44
	A12 B6 B7 B8 B10 B9			
	C1 C4 C5 C6 C7 C8			
Personalized attention		1	0	1

Methodologies				
Methodologies	Description			
Mixed	1. A theoretical-practical exam consists of two contents of the subject, with short questions, questions to be developed,			
objective/subjective	questions about practical subjects, test-type questions (true / false), multiple-choice questions or a combination of two types			
test	mentioned.			
	2. Or it can be oral or written. If nothing to the contrary is published on the web page of the subject (Moodle) 48 hours in			
	advance, or it will be written.			
	3. Celebrate nas data, hours and classrooms that or Dean set officially.			

subject and can be short answers, test type (true / false), multiple choice, practical cases or a combination of them.
Jiacucai Cases of a combination of them.
ng to the contrary is said in the call for the test in Moodle, the exam will be written.
ig to the contrary is said in the can for the test in Moodie, the exam will be written.
It the tests into as many subgroups as the teacher of the subject deems appropriate.
amples about the theoretical contents.
ersed with the theoretical contents in order to facilitate the understanding of the
·
the student can intervene: a) the own initiative, after asking for a word b) on the
request the intervention of the student.
nt during non-contact hours or autonomous work will be formulated. In subsequent
es in which the student can intervene will be carried out and the corresponding
to clarify those aspects that the student formulates about the content of these.
to be taught throughout the semester in small groups of students.
s outside the normal class time on the date and time agreed with the teacher.
rouside the normal class time on the date and time agreed with the teacher.
doubt about the part of the cubicat evaluined up to that moment
doubt about the part of the subject explained up to that moment
e subject explained up to that moment.
ne theoretical and practical contents of the subject in order to guide the student in
ers into which the subject is divided will be proportional to the degree of difficulty in
o that the same time will not be devoted to each of the chapters, but that will delve
e opinion of the teacher who teaches the subject.
the least difficulty in understanding, the student could be referred to the
on classes will be guided about: a) what specific sources are recommended to use
of greatest interest in order to achieve the learning outcomes established for the
or greatest interest in order to achieve the learning outcomes established for the

Personalized attention	
Methodologies	Description



# Seminar Guest lecture / keynote speech Problem solving

- 1. In the master session, the student can intervene, after asking for the floor, to ask, clarify or present their point of view on the subject that is being discussed at the time of their intervention.
- 2. In the solution of problems and in the seminars the student can intervene as it is exposed in the methodologies section.
- 3. In the tutoring schedules set by each teacher, the student will be attended, upon request for an appointment and within the limits established by the regulations of teaching dedication of the UDC faculty to clarify those doubts that arise for the preparation of the subject.
- 4. Without mentioning the person who evacuated the query, it can be published in Moodle, along with their response, in order for other students to take advantage of it. All this if the teacher considers it appropriate and of general interest.
- 5. Students with recognition of part-time dedication and academic waiver of attendance exemption, will agree at the beginning of the course a specific schedule of tutoring compatible with their dedication. To do this, you must contact the teacher during the first ten days of the semester in which the subject is taught.

Assessment				
Methodologies	Competencies	Description	Qualification	
Short answer	A5 A6 A8 B2 B3 B4	1. Three tests throughout the course.	45	
questions	B5			
		2. Each of them accounts for 15% of the final evaluation, so that as a whole it		
		accounts for 45% of it.		
		3. They consist of an examination following the criteria set forth in methodologies		
Mixed	A5 A6 A8 A11 B3 B2	This is a single test for each of the evaluation opportunities of the call.	55	
objective/subjective	C2			
test		2. It represents 55% of the final evaluation.		
		3. It consists of an examination following the criteria set forth in methodologies.		
		4. In test-type exams (true / false) and in multiple-choice tests, poorly answered		
		questions will score negative.		

**Assessment comments** 



# A) EVALUATION REGULATIONS:

- 1. Assessment conditions: It is forbidden to access the examination room with any device that allows communication with the outside and / or the storage of information.
- 2. Identification of the student: The student will have to accredit his personality according to the valid rule.

#### B) TYPES OF QUALIFICATION:

- 1. Grade of not presented: It corresponds to the student, when it only participates in activities of evaluation that have a weighting inferior to 20% on the final qualification, independently of the qualification reached.
- 2. Students with recognition of part-time dedication and exemption from attending the exemption from attending:

The evaluation of these students will be governed by the same criteria applied to other students. To take the short answer tests, they must contact their teachers at the beginning of the academic year to agree on a specific schedule compatible with their dedication.

# C) EVALUATION OPPORTUNITIES:

- 1. First chance: The evaluation criteria mentioned above will be applied in this section.
- 2. Second opportunity: The evaluation criteria are the same for all evaluation opportunities. The final second chance exam will be held on the official dates approved by the Faculty Council on the entire subject taught.

It will have a maximum value of 5.5 points to which will be added the score obtained by the student in the controls performed throughout the academic year to obtain the final grade.

3. Early call: Only in this case will be a mixed test to assess all the skills and contents of the subject. The result obtained in this test will suppose 100% of the final note obtained by the student.

# D) OTHER EVALUATION OBSERVATIONS:

The only utensils that allow access to the test site are the basics to answer the exam: pencil, pen or ballpoint pen, eraser and non-programmable electronic calculator. Access to the examination room with: a) mobile phones and any other device capable of remote communication and / or storage of information is expressly prohibited; b) notes, annotations, books or similar material that was not expressly authorized in the call of the examination or in the web page (Moodle) of the subject. Failure to comply with this rule means that the test is considered to have been performed fraudulently, regardless of whether or not those who have such devices or material on the test site have used them during the test.

Unperformed scores score zero. Those carried out in fraud suppose the qualification of zero points in the announcement being invalidated any qualification that the student could obtain during the course by means of the realization of the activities of evaluation.

The scoring criteria for each of the tests will be announced at the time of the test and will be provided along with the statement of this.

Sources of information



#### Basic

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- Joaquín Enríquez Díaz (2018). Matemáticas financieras: a través de supuestos prácticos. A Coruña Repronor SL
- J. Enríquez Díaz y R. Pesqueira Sanchez (2020). Matemáticas financieras. Teoría y práctica. Santiago. Andavira BIBLIOGRAFÍA ELECTRÓNICA: Ramón Pintado, T. María del Carmen Lozano Gutiérrez y Ramón Llorens, M. C. (2015). Matemáticas de las operaciones financieras. Universidad Politécnica de Cartagena.

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# Complementary

- Pallerola Comamala, J. (2008). Matemática financiera para el nuevo Plan General de Contabilidad. Madrid. Editorial Ra-Ma
- González Velasco, M. del C. (2007). Contabilidad Madrid. Editorial Ra-Ma Libro Subir González Velasco, M. del C. 2007 Análisis de las operaciones financieras (Core Syllabus for Actuarial Training in Europe). Pamplona. Editorial Aranzadi, S.A.
- Bravo Monroy, R. (2004), 4 Matemáticas financieras. Teoría y ejercicios. Editorial Centro de Estudios Ramón Areces
- Cabello González, J. M. (2006). Valoración financiera. Teoría y práctica con Excel. Madrid. Delta Publicaciones
- Bonilla Musoles, M., Ivars Escortell, A. y Moya Clemente, I. (2006). Matemática de la operaciones financieras. Teoría y práctica. Madrid. Ed. Thomson

	Recommendations
	Subjects that it is recommended to have taken before
Financial Accounting I/611G02013	
	Subjects that are recommended to be taken simultaneously
	Subjects that continue the syllabus
Investment Theory/611G02020	
Finance Theory/611G02021	
	Other comments

(\*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.