

**COURSE DATA****DATA SUBJECT**

Code: 35947
Name: Fixed-income markets and stocks
Cycle: Undergraduate Studies
ECTS Credits: 6
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
1315 - Degree in Finance and Accounting	Facultat d'Economia	3	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1315 - Degree in Finance and Accounting	Financial markets and assets	COMPULSORY

COORDINATION

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SUMMARY

Fixed-income markets and assets is a compulsory training course that is taught in the first term of the third year of the Degree in Finance and Accounting. It is included in the subject *Financial Markets and Assets* and belongs to the module called *Finance* within this Degree. In the current curriculum this course consists of a total of 6 credits.

The objective of the course is to provide the student with a simple, though rigorous and up-to-date, analysis of financial operations and the fixed-income markets and their derivative markets.

The syllabus of the course is divided into three parts:

- First part: Introduction. This part contains only lesson 1: Negotiation of financial operations. In this topic, a review is made of the concepts already seen in *Financial Mathematics* from the second year, such as the concept of financial operations and market value of assets. The



different ways of transacting are also presented, either through simple or double purchase transactions.

- Second part: Assets and markets. This part contains lessons 2, 3 and 4. In this part, short-term debt is analysed in detail, both treasury bills and company promissory notes, medium and long-term debt, including the analysis of sovereign bonds and obligations and corporate debt and, finally, a descriptive analysis of the markets for negotiable fixed-income securities is carried out.
- Third part: Interest Risk Management. This part contains lessons 5 and 6. Lesson 5 presents the temporary structure of interest rates, the concept of interest rate risk, its measurement and the financial immunisation theorem of a fixed income portfolio. Subsequently, lesson 6 presents financial derivatives in OTC markets as well as their use in the management and coverage of interest risk.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

The subject Fixed-income markets and assets aims to deepen and complete the knowledge acquired by the student in the compulsory subject Financial Mathematics in the second year of the Degree including an updated analysis of financial operations and fixed income markets as they develop in the Spanish market.

The knowledge acquired in this subject is complemented with that obtained in Analysis and Management Banking , dedicated to the study of the financial operations of the banking market.

COMPETENCES / LEARNING OUTCOMES

1315 - Degree in Finance and Accounting

CM4FYC 10 Capacidad para valorar y gestionar carteras de activos financieros.

CM4FYC 1 Conocer los fundamentos básicos que rigen las operaciones y los mercados financieros.

Conocer los mercados de renta fija y de renta variable, así como los diferentes títulos y contratos que se negocian en los mismos.

DESCRIPTION OF CONTENTS



1. THE NEGOTIATION OF FINANCIAL OPERATIONS

In this lesson, the objective is first, to remind the student key concepts related to financial operations and the financial asset pricing already studied in other subjects and, secondly, to present the different ways of operating that exist in the Spanish market.

1. Financial operations
 - 1.1. Concept
 - 1.2. Loan operation
 - 1.3. Internal and external liquidity
 - 1.4. Mathematical reserve and market value
 - 1.5. Effective interest rates and commercial characteristics
2. Investment in public and private debt
3. The rating agencies
4. The ways of transacting
 - 4.1. Classification of the operation
 - 4.2. Simple purchase transactions
 - 4.2.1. In cash
 - 4.2.2. Forward
 - 4.3. Double sales transactions
 - 4.3.1. Transactions with repurchase agreement
 - 4.3.2. Simultaneous transactions

2. SHORT-TERM DEBT

In this lesson, there is a detailed discussion of the concepts, characteristics and valuation of the most important short-term fixed-income financial assets, such as Treasury Bills and Corporate Bonds.

1. Introduction
2. Treasury bills
 - 2.1. Characteristics
 - 2.2. Issuance by auction
 - 2.3. Interest rates
 - 2.4. Negotiation modalities
 - 2.5. Effective interest rates
3. Corporate Bonds
 - 3.1. Characteristics
 - 3.2. Issuance and negotiation
 - 3.3. Interest rates
 - 3.4. Effective interest rates



3. MIDDLE AND LONG TERM DEBT

This lesson addresses the study of the characteristics and valuation of public and private debt assets in the medium and long term. Special emphasis is placed on the issuance by auction of bonds and state obligations and their subsequent negotiation, as well as on the wide variety of corporate bonds traded on the SEND market.

1. Debt loans
 - 1.1. Concept and notation
 - 1.2. Classification and modalities of issuance
2. Sovereign Bonds and obligations
 - 2.1. Characteristics
 - 2.2. Issuance by auction
 - 2.3. Interest rates
 - 2.4. Negotiation modalities
 - 2.5. Effective interest rates
 - 2.6. Bonds and strippable obligations.
 - 2.7. Bond and indexed obligations
3. Corporate debt
 - 3.1. Obligations with option
 - 3.2. Other private fixed income assets

4. FIXED INCOME MARKETS

This lesson explains the basic characteristics of the primary and secondary fixed income markets in the current Spanish financial system.

1. Spanish stock market organization
2. The Public Debt Market
 - 2.1. Introduction
 - 2.2. Institutional structure of the Public Debt Market
 - 2.3. The primary market
 - 2.4. The secondary market
3. Private Fixed-income Market
 - 3.1. Introduction
 - 3.2. The Primary Market
 - 3.3. The Secondary Market

5. INTEREST RATE RISK

This lesson is intended for the analysis of interest risk. Bearing in mind that there is the possibility of



unanticipated changes in interest rates, the objective is to analyse the consequences that this entails in the management of fixed-income portfolios.

1. The valuation of financial operations and interest rates
2. The price risk
 - 2.1. Concept
 - 2.2. Duration and convexity
3. The risk of reinvestment and financial immunisation
4. The temporary structure of interest rates
 - 4.1. Definition
 - 4.2. Cash and forward types of interest
 - 4.3. Applications and limitations

6. INTEREST RATES DERIVATIVES IN OTC MARKETS

This lesson provides a detailed explanation of the main characteristics, the use and the settlement of derivative contracts on interest rates that are traded in OTC markets.

1. Forward Rate Agreements (FRA).
 - 1.1. Introduction.
 - 1.2. Concept and characteristics.
 - 1.3. Calculation of maximum and minimum interest rates.
 - 1.4. Settlement.
 - 1.5. Arbitration operations
2. SWAP Agreements.
 - 2.1. Concept and components.
 - 2.2. Applications.
 - 2.3. Settlement.
3. OTC options on interest rates.
 - 3.1. Introduction.
 - 3.2. CAP options.
 - 3.3. FLOOR options.
 - 3.4. COLLAR options.
4. Derivatives in Exchanges.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	30,00
Computer classroom practice	30,00
Total hours	60,00

**NON PRESENCIAL ACTIVITIES**

Activity	Hours
Attendance at other activities	6,00
Individual or group project	2,00
Independent study and work	41,00
Preparation of lessons	14,00
Preparation for assessment activities	17,00
Resolution of case studies	10,00
Total hours	90,00

TEACHING METHODOLOGY

The theoretical classes will consist of the presentation by the professor of the lessons of the subject. The participation of the student in terms of their ability to think critically and discuss the materials will be highly valued. The practical classes will consist of the resolution of case studies on the part of the professor and/or the student, both in the theoretical and the IT classroom. For the development of these classes, the student will be provided with a series of case studies, one part of which will be assigned as personal work. In addition, individual or group practical exercises will be required, which must be handed in to the professor or presented in class.

EVALUATION

The evaluation procedure for the subject will consist of:

1. A written exam, which may consist of theoretical questions as well as problems and real cases. This exam will represent 70% of the final grade. A minimum grade (5 points out of 10) must be achieved in this written test so that it can be added to the rest of the grade.
2. The *continuous evaluation* will be based on class attendance, the rest of the in-person training activities and participation and involvement in the teaching-learning process. In this section, a series of *practical activities* will be evaluated, such as the preparation of projects, oral presentations, problem solving activities and individual work exercises. Special consideration will be given to the evaluation of written tests or checks. This section will represent 30% of the grade of the subject. This part of the mark will be recoverable in the written final exam.

Remarks:

1. All those students who have not taken the continuous assessment or have not obtained a satisfactory mark may take the final assessment test valued at 10 points in the two sessions.
2. For the second examination call, the same evaluation and weighting criteria as for the first call will be used. Those students who are evaluated on the second call will maintain the grade obtained in section 2 above, and they will not be allowed to complete any tasks or homework that had not been previously



considered for the first call.

Changes in final examination timetables

Any possible change of date and / or time of the final exam will be governed by the procedure and the terms established in article 9.2 of the "Reglament d'avaluació i qualificació de la Universitat de València per a títols de grau i màster, ACGUV 108/2017".

In particular, in the event of a date and time coincidence between two final exams of the same degree in which the student has enrolled, if it is up to this subject to make the change, a written request must be submitted to the address of the responsible department at least one month in advance from the start of the official examination period. You can send your request electronically to: dep.economia.financera@uv.es from your email address alumni.uv.es. An email sent from a private address will not be accepted, only emails sent from the institutional address (alumni.uv.es) will be accepted.

To be allowed to take the additional exam, the student must justify that he / she has taken the coincident exam previously.

Academic fraud

Exams will be regulated by Article 13 on examination fraud of the "Reglament d'avaluació i qualificació de la Universitat de València per a títols de grau i màster, ACGUV 108/2017". Additionally, all the assessment tasks and homework will be subject to the regulation on plagiarism detailed in Article 15.2 of the same regulation.

Furthermore, students are reminded that the completion of assignments and assessment tests will also be subject to the new "Action protocol for fraudulent practices at the University of Valencia" (ACGUV 123/2020). In particular, according to this regulation:

Fraudulent practices are considered, among others: refusing to be identified or introducing unauthorized material during a test, as well as plagiarizing works (that is, copying, even partially, other people's works without citing their origin).
2. At the beginning of an exam, the teaching staff will inform about the material and objects that it is strictly forbidden to use. In any case, students are not allowed to have at their disposal, during an evaluation test, any electronic device unless expressly authorized by the teaching staff.
3. Students must follow the instructions given by the teaching staff and collaborate with them. In the event of any incident, the teaching staff is considered an authority and their testimony is a privileged means of proof.

Examination regulations



The regulations of the University of Valencia cited above can be consulted at:

<https://www.uv.es/uvweb/universidad/es/estudios-grado/informacion-academica-administrativa/normativas/normativas-universidad-valencia-1285850677111.html>

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- BME Renta Fija: <https://www.bolsasymercados.es/bme-exchange/es/Negociar/Mercados/Renta-Fija>
- BME Market Data. Boletín de Operaciones de Deuda Pública: <http://www.bmemarketdata.es>
- CNMV: www.cnmv.es
- Tesoro Público: www.tesoro.es
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