

**FITXA IDENTIFICATIVA****Dades de l'Assignatura**

Codi	42216
Nom	Models de renda fixa (ampliació)
Cicle	Màster
Crèdits ECTS	4.0
Curs acadèmic	2020 - 2021

Titulació/titulacions

Titulació	Centre	Curs	Període
2081 - M.U. en Banca i Finances Quantitatives 09-V.1	Facultat d'Economia	2	Anual

Matèries

Titulació	Matèria	Caràcter
2081 - M.U. en Banca i Finances Quantitatives 09-V.1	2 - Matèries optatives	Optativa

Coordinació

Nom	Departament
TORRO I ENGUIX, HIPOLIT	113 - Economia Financera i Actuarial

RESUM

Aprofundir en el coneixement de mètodes avançats de modelització en temps continu de tipus d'interès, valoració d'actius de renda fixa i la seva aplicació per al mesurament i gestió de riscos.

CONEIXEMENTS PREVIS**Relació amb altres assignatures de la mateixa titulació**

No heu especificat les restriccions de matrícula amb altres assignatures del pla d'estudis.



Altres tipus de requisits

La impartició de l'assignatura Models de renda fixa (ampliació) requereix coneixements previs de la següents matèries:

instrumentals:

- Econometria financera
- Processos estocàstics

teòriques:

- Valoració de acticvos
- Models de renda fixa

Relació amb altres assignatures:

Els coneixements impartits en aquesta matèria són convenients per a altres disciplines com "mesurament de riscos financers" i "gestió bancària" així com "macroeconomia en finances"

COMPETÈNCIES

RESULTATS DE L'APRENTATGE

Aprofundir en el coneixement de mètodes avançats de valoració d'actius de renda fixa i la seva aplicació per al mesurament i gestió de riscos analitzant quins models poden utilitzar-se per resoldre problemes concrets.

DESCRIPCIÓ DE CONTINGUTS

1. Tema 1. Introducció

- Anàlisi de la ETTI: Objectius i metodologia
- Possibles aplicacions

2. Tema 2. Models en temps continu

- Models endògens
- Models endògens unifactorials
- Models endògens multifactorials
- Models endògens amb salts
- Models exògens

**3. Tema 3. Valoració d'actius derivats**

- Resultats obtinguts en la literatura
- Valoració amb models unifactorials
- Valoració amb models multifactorials

4. Tema 4. Resum i conclusions**VOLUM DE TREBALL**

ACTIVITAT	Hores	% Presencial
Classes de teoria	40,00	100
TOTAL	40,00	

METODOLOGIA DOCENT

Classe magistral, pràctiques en aula i pràctiques amb ordinador.

AVALUACIÓ

Avaluació contínua (exercicis, problemes) i examen escrit final.

REFERÈNCIES**Bàsiques**

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ADDENDA COVID-19

Aquesta addenda només s'activarà si la situació sanitària ho requereix i previ acord del Consell de Govern

En caso de tener que suspenderse la actividad presencial, el programa se reorganizará para poder continuar online con el desarrollo del Máster, manteniendo la calidad y el rigor tanto de las clases como de los métodos de evaluación. La Comisión Académica valorará la conveniencia de modificar la forma de evaluación de las asignaturas y cualquier posible cambio será anunciado al alumnado a la mayor brevedad posible.