UCLouvain	lecon2605 2021	Capital Markets Theory

5.00 crédits	30.0 h	Q2

⚠ **Cette unité d'enseignement n'est pas dispensée cette année académique !**

Langue d'enseignement	Anglais
Lieu du cours	Louvain-la-Neuve
Thèmes abordés	We will start to investigate the basic concepts in a simple binomial model in discrete time before generalizing them to general dynamic markets in discrete time. Before extending the concepts to continuous time, we will introduce the main mathematical tools of stochastic calculus. We will analyze applications to pricing of options on stocks and on interest rates via change of numeraire techniques.
Acquis d'apprentissage	**A la fin de cette unité d'enseignement, l'étudiant est capable de :**
	1 The student will be able to master financial concepts related to modern asset pricing theory by arbitrage. This will allow him to get the knowledge necessary to evaluate most prices of financial derivatives on stock and in-terest rates.
Contenu	We will present the main theoretical concepts and apply them in exercises to help for a better understanding.
Autres infos	The students should have basic knowledge in probability and statistics, mathematics, and finance. The evaluation will be an oral exam. The support is made of slides and exercises with their correc-tions.
Faculté ou entité en charge:	ECON

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Master [60] en sciences économiques, orientation générale	ECON2M1	5		🔍
Master [120] en sciences économiques, orientation économétrie	ETRI2M	5		🔍
Master [120] en sciences économiques, orientation générale	ECON2M	5		🔍