

- Faculté des sciences économiques
- www.unine.ch/seco

Principles of Finance (5EN1010)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Bachelor en mathématiques	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Bachelor en science des données	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Bachelor en sciences économiques	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Bachelor of Science en économie et sport	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Bachelor of Science en management et sport	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Pilier B A - économie	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6
Pilier B A - management	Cours: 2 ph TP: 2 ph	Voir ci-dessous	6

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Printemps

Equipe enseignante

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Contenu

This course introduces students to the core concepts of modern finance. We start with an overview of what financial markets and financial institutions are. We then study the fundamental principles of finance. Students will learn how to value bonds and equities, the benefits from diversification, how to construct optimal portfolios, how to determine risk premia, and the concept of market efficiency.

Tentative Course Outline:

- Financial Markets and Institutions
- Financial Decision Making and the Law of one Price
- The Time Value of Money
- Interest Rates
- Valuing Bonds
- Valuing Stocks
- Capital Markets and the Price of Risk
- Optimal Portfolios
- The Capital Asset Pricing Model (CAPM)

Forme de l'évaluation

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Final exam: 2-hour written exam (100%) during the exam session at the end of the semester.

Allowed tools: simple calculator, cheat sheet (one page DIN-A4, back and front, handwritten NOT printed).

No other documents nor connected devices are permitted during the exam.

In case of violation of these rules, the students are in situation of fraud and the unauthorized items will be removed. The exam could be deemed as failed.

Modalités de rattrapage

Re-take exam: 2-hour written exam (100%) during the exam session.

Allowed tools: simple calculator, cheat sheet (one page DIN-A4, back and front, handwritten NOT printed).

No other documents nor connected devices are permitted during the exam.

In case of violation of these rules, the students are in situation of fraud and the unauthorized items will be removed. The exam could be deemed as failed.

Documentation

- Corporate Finance, by Berk and DeMarzo, 4th or 5th Edition, Pearson
- Finance d'entreprise, de Berk, DeMarzo, Cappelle-Blancard et Coderc, 4e ou 5e édition, Pearson (édition française)

Pré-requis

Previous Bachelor course(s)

Forme de l'enseignement

Lectures: 2 hours per week
Exercices: 2 hours per week

Objectifs d'apprentissage

Au terme de la formation l'étudiant-e doit être capable de :

- Solve finance problems
- Describe important financial markets and the role of institutions
- Review the behavior of investors in financial markets
- Measure the expected return of a financial asset
- Explain the concept of the Law of One Price as a unifying principle of valuation in finance

Compétences transférables

- Generate new ideas (creativity)
- Carry out a critical analysis
- Apply knowledge to new situations