| Professor name | Fanelli Viviana |
|---|---|
| **Bachelor in** | Business Administration |
| **Academic year** | 2013/2014 |
| **I or II semester** | II semester |
| **Number of ECTS credits** | 6 |
| **Scientific Sector Code** | SECS-S/06 |

**Course unit title Financial Mathematics (a.a. 2013/2014)**

**(Prof. Fanelli Viviana)**

University of Bari Aldo Moro

Bachelor in Business Administration

Pre-requisites

Passing the exam of Mathematics for Business and Economics is required.

Objectives

The main aim of the course is to provide the basic tools used to evaluate financial assets.

Course content

Present value, future value, current value. Simple interest. Compound interest.

Annuities. Accumulated and discounted values of an annuity. Temporal indices of an annuity.

Loans. Kinds of amortization. Value of a debt.

Financial evaluation. Internal Rate of Return (IRR), fixed-income government bonds, Tan and APR.

Elements of asset allocation.

Recommended reading - study material

Daniele Ritelli, *Matematica Finanziaria*, Esculapio Editore, Bologna
Fabrizio Cacciafesta, *Lezioni di Matematica Finanziaria classica e moderna,* G.Giappichelli Editore, Torino

Teaching methods

-    Direct contact
     Lectures: Yes
     Tutorials: Yes
-    Personal work
     Case studies – in group: No

Assessment methods

- Assignment: Yes
- Written without oral presentation: No
- Oral presentation: Yes

This course is in e-learning Web Site area:  No