TRIUM EMBA Finance Pre-Module Video Tutorial

2015/16 Syllabus

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Class 1: Time value of Money

- Present and Future Value
- Interest rates
- Introduction to Fixed Income Securities:
    - Zero Coupon Bonds
    - Coupon Paying Bonds
    - Perpetuities
- Compounding

Class 2: Performance Measurement

- The Annual Percentage Rate (APR)
- The Effective Annual Rate (EAR)
- APR Vs. EAR comparison and the role of compounding
- Different compounding frequencies
- Internal Rate of Return (IRR) and project valuation

Class 3: Statistic Review

- Random Variables
- Expected Return
- Standard Deviation and Variance
- Correlation and Covariance
- Introduction to Linear Regression Analysis

Class 4: Introduction to Portfolio Theory

- Expected Return, Variance, Correlation of Returns
- Linear combinations of two expected returns and standard deviations
- Arithmetic and Geometric Returns