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