



CEFA

Certified European Financial Analyst

Examination Syllabus

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	Stock selection/industry selection
	selection
	Growth/value style
	Specialisation/themes
	Anomalies
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Adjusting the beta of an equity portfolio

5.1.2.	Passive management
	Buy and hold
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	Customised funds
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	Factor/style funds
	Indexing technology
	Benchmark choice
	Choice of the tracking error
5.1.3.	Combined strategies
	Active/passive combinations
5.1.4.	Portfolio construction based on a factor model
5.2.	Derivatives in Portfolio Management
5.2.1.	Combining options and traditional assets
5.2.2.	Portfolio insurance
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5.2.3.	Hedging with stock index futures
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5.2.7.	Asset allocation with futures
5.3.	Managing a Property Portfolio
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5.3.2.	The property investment decision
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5.5.	International Investments
5.5.1.	International diversification
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	Country risk
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	Effective management of currency risk



Behaviour of currency returns

Is it a separate asset class / zero sum game?

Treatment of currency within a portfolio

Black's paper on universal currency hedge

Use of overlay strategies

Key sensitivities

Currency-related example of performance attribution

5.5.3. International equities

Reasons for holding international equity assets

Performance objectives

5.5.4. International fixed income

Reasons for holding international fixed interest assets

Performance objectives

5.5.5. Managing a portfolio of international assets

International investing

Global asset allocation

Portfolio management styles

Portfolio construction

Portfolio management strategy

6. Performance Measurement

6.1. Performance Measurement and Evaluations

6.1.1. Risk-return measurement

Market and book value evaluation

Time horizon and performance measurement

Inflow/outflow of cash and performance measurement

Time-weighted and dollar weighted rate of return

6.1.2. Risk-adjusted performance measures

Sharpe's measure

Treynor's measure

Jensen's alpha

Appraisal ratio

6.1.3. Relative investment performance

Manager-universe comparison

Indices and benchmarks

Index definition and calculation

Choosing and constructing a benchmark

Domestic vs. International benchmarks

Cash benchmark and currencies

Multi-currency investments and interest rate differentials

Currency overlay and performance measurement

Balanced benchmarks

Random and normal portfolios



Index vs. universe median

Style-bogey comparisons

6.1.4. Performance attribution analysis

Asset allocation effect Industry selection effect

Security selection effect

Investment timing effect

Attribution analysis of fixed income portfolio

6.1.5. Special issues

Performance evaluation of international investments

A single currency attribution model by Brinson & al.

Multi-currency attribution and interest rate differentials

Performance evaluation of international investments derivative

investments Effects of costs

7. Management of Investment Institutions

- 7.1. Assessing and Choosing Managers
- 7.1.1. Style analysis

Means of style analysis

Style analysis

Risks, controls and prudential issues: organisational issues

Risks, controls and prudential issues: fee structures

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- 8.2. Rationality (homo oeconomicus) versus Bounded Rationality (according to Herbert Simon)
- 8.3. Anomalies in human behaviour
- 8.3.1. Anomalies regarding perception of information
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- 8.4. Heuristics
- 8.4.1. Simplification heuristic
- 8.4.2. Mental accounting
- 8.4.3. Availability heuristic
- 8.4.4. Anchoring
- 8.4.5. Representativity
- 8.5. Prospect Theory
- 8.5.1. Value function
- 8.5.2. Asymmetry effect
- 8.5.3. Disposition effect
- 8.5.4. Reference points
- 8.6. Loss aversion



8.7.	Regret aversion
8.8.	Framing
8.9.	Overconfidence
8.10.	Home bias

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Chapter 0.	l: European Legal Framework for Financial Services Why regulation?
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1.1.	A brief history of European Union
1.2.	Enlargement
1.3.	Decision-Making Bodies
1.3.1.	The European Parliament
1.3.2.	The Council of the European Union
1.3.3.	The EU Commission
1.4.	Legislative Acts
1.4.1.	Directives
1.4.2.	Regulations
1.4.3.	Decisions
1.4.4.	National Implementing Measures
1.5.	Legislative Procedure
1.5.1.	Co-Decision Procedure
1.5.2.	Comitology Procedure (Lamfalussy Process)
2.	The Single Market for financial services
2.1.	The four principles of General Freedom in the EU
2.1.1.	Free Movement of People
2.1.2.	Free Movement of Goods
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2.2.1.	Minimum harmonisation
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2.4.	Single Market Act
3.	Regulation of Capital Markets
3.1.	Market in Financial Instruments Directive (MiFID II / MiFIR)
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3.2.	Market Abuse Directive (MAD II / MAR)
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3.2.2.	Market Manipulation
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3.2.2.3.	Manipulative information
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3.4.	Prospectus Directive
3.5.	Transparency Directive
3.6.	EMIR European Market Infrastructure Regulation
3.7.	Regulation on Investment Funds (UCITS)
3.8.	Alternative Investment Fund Managers Directive (AIFMD)
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3.10.	Investor compensation schemes
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Chapter II: European Supervision of Capital Markets

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4.1.2.	EU Committees
4.1.2.1.	Committee of Banking Supervisors (CEBS)
	Committee of Insurance and Occupational Pension
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	(CEIOPS)
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	(EIOPA)
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1.1.	Why ethical behaviour in financial markets?
1.2.	The 'client first' principle
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1.4.	Market Abuse (insider trading, market manipulation)
2.	Self-Regulation and Ethical Conduct
2.1.	IOSCO
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2.3.	Corporate Governance & Compliance
2.3.1.	Corporate Governance Codes
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2.4.	Code of Ethics for Financial Analysts
2.4.1.	EFFAS Principles of Ethical Conduct
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2.4.3.	ACIIA Principles of Ethical Conduct (overview)
Annex	EFFAS Principles of Ethical Conduct in full text



Part 10: ESG – Environmental Social and Governance

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1.1.	ESG Investment - where do we stand?
1.2.	Definitions and developments
1.3.	ESG strategies
1.4.	Empirical evidence about ESG and financial performance
1.5.	Barriers to ESG
2.	Recent Developments of ESG integration
2.1.	Market drivers
2.2.	Regulatory Framework (Investor demands and initiatives)
2.3.	ESG Reporting Frameworks for companies and investors
3.	Investment Process Chain
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3.3.	Company analysis
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1.	Responsible investing across asset classes
1.1.	Introduction
1.2.	Brief reflections on individual asset classes
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5.2.	Identification of ESG value drivers
5.3.	Analysis of governance, controversies
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1.2.	Licence Regime for Financial Services Providers
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1.4.	National Implementation of EU Law on Financial Services
2.	Liability for Advice
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2.2.	Obligations imposed by capital markets law
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2.4.	Self-regulation (if applicable)
3.	Regulation of Financial Research
3.1.	National regulations of Financial Research
	National Code of Conduct for Financial Research (if applicable)
4.	Micro-market Structure
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4.1.1.	Stock Exchange
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	OTC Market
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4.3.	Trading Rules for Securities
4.4.	Settlement of Securities Trades
5.	Taxation of Investments / Investors
5.1.	Taxation of private / institutional investors
5.1.1.	Taxable Income
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5.2.	Taxation of investments with private/institutional investors
5.3.	Double Tax Treaties
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* Recommended National Components

- 1. National accounting rules (if applicable)
- 2. National Codes of Ethics (if applicable)