



I. Motivation and recognition

ABAF/BVFA, is the Belgian representative of EFFAS, the European Federation of Financial Analyst Societies and has exclusive distribution rights for Belgium on all EFFAS linked course programs. It was founded on June 18, 1959 and is the centre of excellence for the financial analyst community in Belgium. It improves quality, adequacy and correctness of financial information provided to investors and collaborates with the stock exchange and the regulator to do so. It frameworks and guards the ethical behaviour of its members and it builds a common knowledge based on financial analysis for all people linked to financial markets, corporate finance, bond markets, portfolio management, credit analysis and auditing.

The CEFA training is a certified EFFAS program, and is organised locally, that is by the local National Member Society, ABAF/BVFA. It consists out of 160,5 hours of training of which 87,5 are classroom teaching hours and the other 73 are online personal training hours. This program is providing successful participants direct access to the highest and final level of the CIIA® training and exam.

II. Program objectives and target group

The CEFA is focused on the professional background of professional background of analysts, portfolio managers, fund managers, CFOs, asset managers and all other financial professionals. A multitude of financial organizations enrol their employees in this professional and interactive program. People are asked to follow the classroom teaching next to the online ones.

Ensuring that investment professionals receive the best possible training has always been a top priority at ABAF/BVFA. After all, only sound qualification courses backed by ongoing training for all capital market experts can guarantee a truly professional advice service and corresponding consumer protection in a transparent market.

EFFAS has accredited the CEFA designation internationally. In Belgium it is organised by its Belgian representative the Belgian Association of Financial Analysts (ABAF/BVFA). Successful students obtain the international EFFAS CEFA accreditation. In the United Kingdom the CEFA is recognised by FSSC (Financial Services Skills Council) as a Key 2 qualification.

However, students can also follow this training in a modular approach and perform the CEFA exam per module or all in once through the CEFA examination platform.

III. Program Overview: "CEFA"

When, how and where?

Most classroom sessions take place on Fridays and several sessions are purely online.

From February, 2022 until December, 2022: (09h00 - 12h30) + (13h30 - 17h00) – 7 hours per session.

Location: ABAF/BVFA, p/a Febelfin Academy, Koning Albert II-laan 19, 1210 Brussels or digital through Teams, depending on the Covid-situation at that time
87,5 hrs classroom (physically/zoom) teaching + 73 hrs online training
Split over 11 different modules – subscription per module is possible
approx. 5hrs examination per block

Professors: practitioners and academics (CVs are available)

Modules

A1	Economics Coordinator:	(15 hrs, online teaching, no classroom) based on new EFFAS manuals
A2	Ethics & Market Structure Coordinator:	(10 hrs, online teaching, no classroom) based on new EFFAS manuals
A3	Financial Accounting (IFRS) Lecturer: Dates:	(14 hrs classroom teaching, 6 hrs online) Prof. S. PATTYN Fridays 18/02/2022 and 25/02/2022
B1	Equity Analysis Lecturer: Dates:	(14 hrs classroom teaching, 6 hrs online) Prof. H. BUYSSE Friday 22/04/2022 and Friday 29/04/2022
B2	Corporate Finance Lecturer: Dates:	(7 hrs classroom teaching, 8 hrs online) Prof. Dr. C. VAN HULLE Friday, 13/05/2022
B3	Fixed Income Valuation Lecturer: Dates:	(7 hrs classroom teaching, 8 hrs online) Prof. K. DEVOS Friday 20/05/2022
C1	Risk Management Coordinator/Lecturer: Dates:	(7hrs classroom teaching, 8 hr online) Prof. H.BUYSSE Friday, 2/09/2022
C2	Derivatives & structured notes Lecturer: Dates:	(14 hrs classroom teaching, 6 hrs online) Prof. L. KEULENEER Thursdays 15/09/2022 and 22/09/2022
C3	Portfolio Theory Coordinator: Dates:	(7 hrs, classroom teaching) Prof. J. LONGEVAL Friday 7/10/2022
C4	Portfolio Management Lecturer: Dates:	(14 hrs classroom teaching, 6 hrs online) Prof. J. LONGEVAL Fridays 14/10/2022 and 21/10/2022

C5 Introduction to ESG (3,5hrs classroom teaching)
 Lecturer: tbd
 Dates: Friday 28/10/2022

IV. Pricing & Organization

We advise to follow the program completely or per block of 3-4 modules. The first block, called the “**Financial Landscape**” teaches you all principles needed to operate as a finance professional in general. The second block, “**Main Product Lines**” provides you with the profound knowledge of portfolio products, the building blocks of Equity, Corporate Finance and Debt products. The third block are the “**Advanced Topics**” such as portfolio management and the use of derivatives and structured products.

People subscribe for the complete program providing the international accreditation within the year for an amount of EUR 3.650. But a student may also spread the program over 3 years with a costs of EUR 4.250.

Finally, you can also subscribe per module but at a slightly increased price to allow us covering the administration costs. We reserve our right to spread the program over more than one year if the minimal required number of students has not been attained.

Block 1: Financial Landscape				
	Hours	Classroom	Online	Fee per module
Module 1	15	0	15	€ 350
Module 2	10	0	10	€ 300
Module 3	20	14	6	€ 525
Block 2: Main Product Lines				
	Hours	Classroom	Online	Fee per module
Module 4	20	14	6	€ 575
Module 5	15	7	8	€ 475
Module 6	15	7	8	€ 425
Block 3: Advanced Product Lines				
	Hours	Classroom	Online	Fee per module
Module 7	15	7	8	€ 425
Module 8	20	14	6	€ 525
Module 9	7	7	0	€ 325
Module 10	20	14	6	€ 525
Module 11	3,5	3,5	0	€ 275
Total	160,5	87,5	73	
Pricing	Per module			€ 4.725
	Per block		block 1	€ 1.050
			block 2	€ 1.300
			block 3	€ 1.900
			all blocks	€ 4.250
	Complete program			€ 3.650

V. Program outline

ABAF/BVFA provides the students with the EFFAS manuals, exercises and examination questions and answers. Next to that, students will receive the book 'Principles of Corporate Finance' of Brealey, R.A. & MYERS, S.C. (13th edition) for this training.

1. Economics

- Macroeconomics
 - National income accounting
 - Equilibrium in the real market: aggregate supply and demand
 - Equilibrium in the money and capital markets:
 - Interest rates
- Macrodynamics
 - Inflation
 - Growth
 - Business cycles
- International economics
 - Open macroeconomics
 - Foreign exchange rates
 - Central banks and monetary policy

2. Professional Ethics & Market Structure

- Ethical codes - US vs Europe
- Insider Trading - position and evolution
- Practical cases - current position and evolution
- Evolution from ESG tot Integrated Reporting
- Ethics and reporting

- Market Structure
 - Financial institutions, structural market changes, recent trends and evolutions.
- Financial markets: Cash market, Money markets, Equity markets, Bond markets, Interest rate risk measurement and management: duration and convexity, Counterpart risk
- Market risks and control
 - Interest rate risk measurement and management: duration and convexity
 - Counterpart risk

3. Risk Management

- Sources of risk, Typology of risks
- Time- variation in risk, GARCH and EWMA methods
- Downside risk, VAR methods
- Counterpart risk, Credit evaluation and prediction of bankruptcy

4. Financial Accounting and Financial Statement Analysis / IFRS

- Financial reporting environment
- Financial statements
- The conceptual framework for financial reporting
- The statement of cash flows
- Revenue recognition
- Accounting for stock options and similar benefits
- Assets, liabilities and equity
- Business combinations
- Group accounting
- Transaction and translation of financial statements into foreign currency
- Financial statements analysis
- Analytical instruments to obtain information from financial statements
- Analytical instruments for profitability and risk analysis

5. Equity Valuation and Analysis

- Equity markets and structures
 - Types of equity securities
 - Indices
- Common stock valuation
 - Dividend discount models
 - Free cash flow model
 - EVA, MVA, CFROI
 - Measures of relative value: price-earnings, price-cash flow, price-book value, price-sales,
 - Bates and Holt models
 - Abnormal earnings approach
 - Technical analysis
- Understanding the industry
 - Characteristics of the industry: “Life cycle”
 - Specific macro-factors
 - Positioning firms in the industry
- Understanding the company
 - Historical performance
 - Segmental information
 - Key micro-factors
 - Forecasting approaches
- Advanced valuation methods
 - Real options
- Mergers & Acquisitions

6. Corporate Finance

- Fundamentals
 - Goals of corporate finance
 - The financial function and the firm’s objectives
 - The role of financial managers
 - Principles of valuation and Discounted Cash Flow (DCF)
 - Capital Budgeting
- Long-term finance decision

- Investment decision
- Project evaluation
- Short-term finance decision
 - Short-term financing
 - Cash management
 - Short-term lending and borrowing
- Capital structure
 - Leverage and the value of the firm
 - Dividend policy

7. Fixed Income Valuation and Analysis

- Fixed income markets and instruments
 - Corporate and government notes, bills and bonds instruments
- Bond valuation
 - Time value of money
 - Bond yield measures
 - Term structure of interest rates
 - Bond price analysis
 - Interest rate risk measurement and management: duration and convexity
- Bonds with warrants
 - Investment characteristics
 - Warrant valuation
- Convertible bonds
 - Investment characteristics
 - Valuation of conversion benefits
- Floating rate notes
- Mortgage-backed securities
- Fixed Income Portfolio management
 - Active vs passive strategies
 - Portfolio construction based on a factor model
 - The “hedge ratio” concept and its measurement: the “modified duration” or “sensitivity method”.

8. Portfolio Theory and Quantitative Methods

- Statistical concepts
 - Probability distributions: mean, variance, covariance, regression and correlation analysis
- Mathematical programming: basic concepts
- Portfolio theory:
 - Optimal risky portfolios: diversification and the “efficient frontier” (Markowitz)
 - The “market model” and the beta factor
- Capital Asset Pricing Model
 - The “Capital Market Line”
 - The “Security Market Line”
- Market efficiency
 - Definition of the problematic: “rational expectations” approach and alternative approaches (behavioural finance, ...)
 - Forms of testing (weak, semi-strong, strong); anomalies
- Arbitrage Pricing Theory: Basic concepts
- International Asset Pricing: Basic concepts

9. Derivative Valuation and Analysis

- Financial markets and instruments
 - The various types of derivatives, their characteristics and mechanics of trading
- Products analysis
 - Futures: factors determining contract price, theoretical price and the basic concept, arbitrage problems, basic hedging strategies
 - Options: determinants of option price, option pricing
 - Models (binomial, Black& Scholes, sensitivity analysis, basic strategies
 - Swaps: interest rate and currency swaps, basic strategies

10. Portfolio Management

- Investment policy
 - Setting investment objectives for various categories of investors
- Asset allocation
 - Overview
 - Types of asset allocation
- Practical management
 - Managing an equity portfolio: active vs passive management
 - Portfolio insurance
 - Managing a property portfolio: commodities, real estate, art, ...
 - Alternative assets - private capital
 - International investments
- Performance assessment
 - Measurement and evaluation
- Special topics
 - Customer profiling and investment policy design
 - Performance evaluation and attribution in single and multi-currency environments
 - Relative performance: benchmarking
 - International investment
 - Management of financial institutions

11. Introduction to ESG

- ESG - an introduction
 - ESG Investment - where do we stand?
 - Definitions and developments
 - ESG strategies
 - Empirical evidence about ESG and financial performance
 - Barriers to ESG
- Recent Developments of ESG integration
 - Market drivers
 - Regulatory Framework (Investor demands and initiatives)
 - ESG Reporting Frameworks for companies and investors
- Investment Process Chain
 - Introduction
 - Macro research and asset allocation
 - Company analysis

- Portfolio construction
 - Trading
 - Portfolio and risk analytics
 - Compliance and reporting
 - Engagement and voting
- Responsible investing across asset classes
 - Introduction
 - Brief reflections on individual asset classes
- ESG Integration in Valuation
 - Disclosure and Data Source
 - Identification of ESG value drivers
 - Analysis of governance, controversies
 - Analysis of Environmental and Social: sector specific
 - ESG integration in valuation models