



6.00 credits

30.0 h

Q2

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| Teacher(s) | Vrins Frédéric ; |
| Language : | French |
| Place of the course | Mons |
| Prerequisites | None (at the master level) <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i> |
| Main themes | The goal of this course is to teach students the foundations of portfolio construction and performance measurement. Key topics include: - Return and risk measurement (for equity, fixed-income, and derivative portfolios) - Portfolio construction and management techniques - Performance attribution - The principles of private wealth management (Wealth Allocation Framework) |
| Learning outcomes | At the end of this learning unit, the student is able to : At the end of this course, students will be able to: - calculate the risk and return of financial assets using a calculator and a spreadsheet; - select the most appropriate return and risk computation methods when evaluating the portfolio management strategy followed by investor risk; 1 - analyze the composition of the portfolio held by wealthy individuals when making any necessary recommendation for change; - assess the strengths and weaknesses of active and passive management strategies; - construct and evaluate one's portfolio by selecting and combining several securities. |
| Evaluation methods | Written exam |
| Teaching methods | - Lectures based on Powerpoint presentations - MCQs - Excel applications - Video tutorials - Portfolio simulation |
| Content | The course draws its content from the following list of study items. - Portfolio Risk, Return, Planning and Construction - Active Portfolio Management - Portfolio Management Process and Investment Policy Statement - Alternative investments: Investing in Commodities, Real Estate, Private Equity and Hedge Funds - Private Wealth Management - Portfolio Management for Institutional Investors - Capital Market Expectations in Portfolio Management - Economic Concepts for Asset Valuation in Portfolio |

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| | <p>Management</p> <ul style="list-style-type: none"> - Asset allocation - Fixed-Income Portfolio Management - Relative-Value Methodologies for Global Credit Bond Portfolio Management - Hedging Mortgage Securities to Capture Relative Value - Equity Portfolio Management - Alternative Investments Portfolio Management (Swaps, Commodity Forwards and Futures) - Risk Management for Strategies on Currencies, Forward and Futures, Options, and Swaps - Execution of Portfolio Decisions - Monitoring and Rebalancing of Portfolios - Evaluating Portfolio Performance - Global Performance Evaluation - Global Investment Performance Standards |
| <p>Bibliography</p> | <ul style="list-style-type: none"> • John C. Hull , Risk Management and Financial Institutions, 5th edition, Wiley (2018) • Frey and Mc Neil & Embrechts, Quantitative Risk Management: : Concepts, Techniques and Tools - Revised Edition, Princeton Series in Finance |
| <p>Faculty or entity in charge</p> | <p>CLSM</p> |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Master [120] in Management (shift schedule) | GEHC2M | 6 | |  |
| Master [120] in Management (shift schedule) | GEHM2M | 6 | MGEHD2134 |  |