

List of Examination Topics at the Master's Level – Field of Study: Finance and Accounting – for the Double Degree Program
Master double degree program between SGH Warsaw School of Economics and the University of Florence – UNIFI (Florence, Italy):

- **Finance and Accounting** [conducted in Polish; please note: the Finance and Accounting ACCA degree is not a major included in the program] at SGH
 - **Finance and Risk Management** at UNIFI
1. The concept of money: functions, forms, issuance, and sources of creation.
 2. Differences between the nominal and the real interest rate.
 3. The monetary policy transmission mechanism.
 4. Principles of recognition and measurement of non-financial fixed assets.
 5. Principles of recognition and measurement of financial assets.
 6. Principles of recognition and measurement of liabilities and provisions.
 7. Principles of recognition and measurement of revenue from the sale of goods and services.
 8. The impact of asset and liability measurement on the profit and loss account and other comprehensive income.
 9. The concept of risk and management under conditions of risk. Basic risk measures.
 10. Risk modeling. Financial risk management.
 11. Characteristics of basic market structures – differences and similarities.
 12. Insurance risk. Household risk.
 13. The application of decision trees in decision-making under risk.
 14. Ethical concepts supporting customer protection in the financial services market.
 15. The importance of the stakeholder concept and the social responsibility of financial institutions.
 16. The essence of the CAPM model and its role in evaluating investment effectiveness.
 17. The concept, types, and methods of measuring and limiting banking risk.
 18. The importance of banking regulations and their impact on the safety and financial condition of banks.
 19. Pricing of banking products and services and asset–liability management.
 20. The use of new technologies in banking – opportunities and risks.
 21. Compliance in banking and anti-money laundering.
 22. Comparison of financial engineering and ethical investment funds.
 23. The importance of climate risk in banking activities.
 24. Sustainability reporting.
 25. Sources and mechanisms of financing sustainable investments.
 26. The concept of life-cycle costing and the possibilities of its application in decision-making.
 27. The essence and examples of hedging, arbitrage, and speculation.
 28. Derivative instruments with symmetric and asymmetric risk profiles.
 29. Analytical models for the valuation of derivative instruments.
 30. The role of financial engineering in preventing financial crises.
 31. The role and risks associated with the use of derivative instruments in financial markets.
 32. The application of Value at Risk (VaR) and Expected Shortfall measures in risk management.

33. Econometric regression models: estimation, diagnostics, and applications in finance.
34. The essence and application of qualitative variable models in credit scoring.
35. Forecasting using univariate and multivariate dynamic models.
36. The concept of ARCH and GARCH models and their applications in financial markets.
37. Measures of investment performance and portfolio management efficiency.
38. Markowitz's theory of optimal portfolio selection.
39. Investment appraisal parameters used in selecting instruments for a portfolio.
40. Measures of investment performance and portfolio management efficiency.
41. Duration as a measure of interest rate risk for bonds.
42. The importance of variable costing as an analytical tool in managing costs, profitability, and sales structure.
43. Design and importance of the Balanced Scorecard.
44. Functions of the budgeting process in an enterprise. The master budget and partial budgets illustrated with the example of a manufacturing company.
45. Cost accounting recording variants – determinants of their choice.
46. The relationship between cost calculation and the production process.
47. Differences between actual costing, normal costing, and standard costing.