

# Syllabus

## Kursbeschreibung

<b>Titel der Lehrveranstaltung</b>	Finanzanalyse
<b>Code der Lehrveranstaltung</b>	27330
<b>Zusätzlicher Titel der Lehrveranstaltung</b>	
<b>Wissenschaftlich-disziplinärer Bereich</b>	SECS-P/09
<b>Sprache</b>	Englisch
<b>Studiengang</b>	Bachelor in Wirtschaftswissenschaften und Betriebsführung
<b>Andere Studiengänge (gem. Lehrveranstaltung)</b>	
<b>Dozenten/Dozentinnen</b>	Dr. Dmitri Boreiko, Dmitri.Boreiko@unibz.it <a href="https://www.unibz.it/en/faculties/economics-management/academic-staff/person/1070">https://www.unibz.it/en/faculties/economics-management/academic-staff/person/1070</a>
<b>Wissensch. Mitarbeiter/Mitarbeiterin</b>	
<b>Semester</b>	Zweites Semester
<b>Studienjahr/e</b>	2
<b>KP</b>	6
<b>Vorlesungsstunden</b>	36
<b>Laboratoriumsstunden</b>	18
<b>Stunden für individuelles Studium</b>	-
<b>Vorgesehene Sprechzeiten</b>	18
<b>Inhaltsangabe</b>	<p>The course introduces the fundamentals of modern corporate finance, covering topics such as time value of money, capital budgeting, and cost of capital.</p> <p>Students will learn how to apply theoretical concepts using Excel for tasks like valuation, portfolio construction, and risk assessment.</p>

	<p>Key concepts include portfolio theory, CAPM, capital structure, company valuation with DCF and multiples, and Free Cash Flow estimation.</p> <p>The course includes a Portfolio Investment Challenge to apply skills in a practical, competitive setting.</p>
<b>Themen der Lehrveranstaltung</b>	<ul style="list-style-type: none"> <li>• Net Present Value</li> <li>• Techniken der Investitionsrechnung und Investitionsbewertung</li> <li>• Portfoliotheorie der Geldanlage</li> <li>• Capital Asset Pricing Model</li> <li>• Kapitalstruktur und Kapitalkosten</li> <li>• Bewertung von Finanzinstrumenten und Investitionen: von der Discounted-Cash-Flow-Analyse bis zur Multiplikatorenbewertung</li> <li>• Crowdfunding, Blockchain, Dezentralisierte Finanzen und andere Innovationen in der Unternehmensfinanzierung</li> </ul>
<b>Stichwörter</b>	endite, Risiko, CAPM, Bewertung, Kapitalstruktur, Kapitalkosten, Portfoliotheorie
<b>Empfohlene Voraussetzungen</b>	Grundkenntnisse in Excel
<b>Propädeutische Lehrveranstaltungen</b>	
<b>Unterrichtsform</b>	<ul style="list-style-type: none"> <li>• Frontalvorlesungen</li> <li>• Übungen in Excel</li> <li>• Interaktive Überprüfung des behandelten Materials mit Quizfragen</li> <li>• Wettbewerb zur Simulation der Erstellung eines Anlageportfolios</li> </ul>
<b>Anwesenheitspflicht</b>	Attendance not compulsory but strongly recommended
<b>Spezifische Bildungsziele und erwartete Lernergebnisse</b>	<p>Knowledge and understanding</p> <p>Area: quantitative methods for decision-making</p> <p>knowledge of basic and intermediate level mathematical tools for understanding and analysing economic mechanisms through theoretical models and empirical applications</p> <p>knowledge of the tools for static, dynamic, and comparative analysis of data on individuals, firms and economies</p> <p>knowledge and understanding of descriptive statistics, the fundamentals of probability theory and sample methods, standard distributions and their application to economic analysis as well as linear and non-linear regression</p>

	<p>understanding of parametric estimation and hypothesis testing</p> <p>Knowledge of computer tools necessary for reading and analysing economic data and models</p> <p>knowledge of the structure of computer networks, their main applications and security techniques as well as techniques for data collection, presentation and analysis using appropriate software</p> <p>knowledge of international accounting systems and the double-entry method for the recognition and measurement of business operations</p> <p>"understanding of financial statements</p> <p>"</p> <p>"in-depth knowledge of accounting data recognition or management control</p> <p>"</p> <p>Knowledge of the analysis method for estimating present values and discount factors for estimating the cost of capital and valuation of bonds and shares</p> <p>Knowledge of medium and long-term financial forecasting methodologies and sensitivity analysis with simulation under uncertainty to manage risks in corporate and international finance</p> <p>knowledge and understanding of the international financial environment, multinational risk defence techniques and competitive strategies adopted by global banks</p> <p>knowledge of the mechanisms underlying effective communication of quantitative topics in three languages: Italian, German and English</p> <p>Ability to apply knowledge and understanding</p> <p>Area: quantitative methods for decision-making</p> <p>to be able to analyse (unconstrained) optimisation problems and to mathematically interpret models of social and economic dynamics</p> <p>to formalise economic problems using mathematical models, to solve such problems and to interpret the results conceptually</p> <p>being able to analyse economic data using descriptive statics, parametric and non-parametric methods as well as linear and non-linear regression and interpret the results</p> <p>knowing how to apply international accounting standards to the various contexts of business reality</p> <p>knowing how to derive and interpret economic information taken</p>
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	<p>from the web</p> <p>knowing how to use computers and computer networks to analyse large quantities of data in solving complex problems and to write theses and articles</p> <p>knowing how to evaluate fixed-income and equity financial instruments of companies listed on stock markets through the use of spreadsheet programs</p> <p>knowing how to analyse financial statements by means of balance sheet ratios and communicate the results in accordance with international professional standards</p> <p>knowing how to apply the main theories on capital, foreign exchange and commodity markets to actually observed data, including in an international context</p> <p>knowing how to set up and carry out an empirical project using econometric software and financial or economic databases</p> <p>knowing how to use techniques for evaluating the performance of financial investments and understanding the price formation mechanisms of risky financial assets and spot and forward interest rates</p> <p>knowing how to work with basic and intermediate level mathematical tools, and basic level statistics, to study the behaviour of economic actors, from a theoretical and empirical point of view</p> <p>knowing how to analyse economic datasets using spreadsheets or other suitable software</p> <p>knowing how to use computer tools for the analysis of economies being able to communicate the results of quantitative analyses prepared according to international professional standards in three languages: Italian, German and English</p>
	<p>Autonomy of judgement</p> <p>choose the most appropriate quantitative and qualitative methods of analysis</p> <p>use logical reasoning to combine information and analytical methods, including modern software packages, to arrive at a solution</p>
	<p>Learning ability</p> <p>analyse, critically process and integrate data, information and future experience, also using advanced software</p>

<b>Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen)</b>	<p><b>Wissen und Verstehen:</b></p> <ul style="list-style-type: none"> <li>Kenntnis der Werkzeuge, die notwendig sind, um Barwerte zu berechnen, Diskontfaktoren zu wählen, die Kapitalkosten zu schätzen und Wertpapiere wie Anleihen, Aktien oder Investitionsprojekte zu bewerten.</li> </ul> <p><b>Anwendung von Wissen und Verstehen:</b></p> <ul style="list-style-type: none"> <li>Fähigkeit, festverzinsliche Finanzinstrumente und die Aktien börsennotierter Unternehmen mit Tabellenkalkulationssoftware zu bewerten.</li> </ul> <p><b>Urteilsvermögen:</b></p> <ul style="list-style-type: none"> <li>Die beste Investition unter Alternativen auswählen</li> <li>Die Auswirkungen von Unsicherheit auf die Investitionsentscheidung einschätzen können</li> </ul> <p><b>Kommunikationsfähigkeiten:</b></p> <ul style="list-style-type: none"> <li>nicht vorgesehen</li> </ul> <p><b>Lernfähigkeiten:</b></p> <ul style="list-style-type: none"> <li>In der Lage sein, ein spezifisches finanzielles Problem eines Unternehmens zu verstehen und eine Lösung dafür zu finden.</li> </ul>
<b>Art der Prüfung</b>	Schriftliche und Projektarbeit: schriftliche Prüfung mit theoretischen Wiederholungsfragen und numerischen Übungen
<b>Bewertungskriterien</b>	Endnote aus Prüfungsbewertung (100 %)
<b>Pflichtliteratur</b>	Ausgewählte Kapitel aus dem CFA-Programmlehrplan 2020, Level I und II, Bände 1–6.
<b>Weiterführende Literatur</b>	R. Brealey-S. Myers-F. Allen, Principles of Corporate Finance, 12th edition, McGraw-Hill, 2017
<b>Weitere Informationen</b>	no
<b>Ziele für nachhaltige Entwicklung (SDGs)</b>	Industrie, Innovation und Infrastruktur, Menschenwürdige Arbeit und Wirtschaftswachstum