

# Syllabus

## *Course Description*

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| Course Title                   | Introduction to Finance   |
| Course Code                    | 30177   |
| Course Title Additional        |   |
| Scientific-Disciplinary Sector | ECON-09/A   |
| Language                       | English   |
| Degree Course                  | Bachelor in Tourism, Sport and Event Management   |
| Other Degree Courses (Loaned)  |   |
| Lecturers                      | Dr. Dmitri Boreiko,<br>Dmitri.Boreiko@unibz.it<br><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>   |
| Teaching Assistant             |   |
| Semester                       | Second semester   |
| Course Year/s                  | 2   |
| CP                             | 9   |
| Teaching Hours                 | 54  |
| Lab Hours                      | -   |
| Individual Study Hours         | -   |
| Planned Office Hours           | 27  |
| Contents Summary               | <ul style="list-style-type: none"> <li>• The course introduces the fundamentals of modern corporate finance, covering topics such as time value of money, capital budgeting, and cost of capital.</li> <li>• Students will learn how to apply theoretical concepts using Excel for tasks like valuation, portfolio construction, and risk assessment.</li> <li>• Key concepts include portfolio theory, CAPM, capital structure, company valuation with DCF and multiples, and Free Cash Flow estimation.</li> <li>• The course includes a Portfolio Investment Challenge to apply skills in a practical, competitive setting.</li> </ul> |

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| <b>Course Topics</b>   | <ul style="list-style-type: none"> <li>• Financial decisions and key ideas in finance: Time, money, and interest rates</li> <li>• Capital budgeting techniques</li> <li>• Risk and return</li> <li>• Bonds</li> <li>• Valuing projects</li> <li>• Stocks</li> <li>• Portfolio investment theory and the CAPM</li> <li>• Cost of capital</li> <li>• Capital structure</li> <li>• Discounted Cash Flow analysis</li> <li>• Investment under uncertainty</li> <li>• Payout policy</li> <li>• Crowdfunding, decentralized finance, and innovations in finance</li> </ul> |
| <b>Keywords</b>  | Risk, Return, Capital Budgeting, NPV, Valuation, Portfolio Theory, CAPM, cost of capital, DCF analysis, investment   |
| <b>Recommended Prerequisites</b>                             | No prerequisites, however it is advisable that the students have basic prior knowledge in statistics as well as in calculus and rudimentary knowledge of Excel.  |
| <b>Propaedeutic Courses</b>                                  |  |
| <b>Teaching Format</b>                                       | Frontal lectures and exercises. In the exercise sessions the students will apply Microsoft Excel to solve financial problems and examine case studies  |
| <b>Mandatory Attendance</b>                                  | -  |
| <b>Specific Educational Objectives and Learning Outcomes</b> | <p>ILO (Intended Learning Outcomes)</p> <p>ILO 1 - Knowledge and understanding</p> <p>ILO 1.1. methods for calculating various performance and value measures</p> <p>ILO 1.2. business valuation models</p> <p>ILO 1.3. investment analysis and planning</p> <p>ILO 1.4. risk measurement, cost of capital and financial structure</p> <p>ILO 1.5. capital structure, payment system and working capital management</p> <p>ILO 2 - Ability to apply knowledge and understanding</p> <p>ILO 2.1. financial, economic and equity indicators for business</p>           |

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|   | <p>decisions</p> <p>ILO 2.2. decision-making system in conditions of uncertainty</p> <p>ILO 2.3. Business valuation models for investment decisions</p> <p>ILO 2.4. Market indicator system for investment decisions</p> <p>ILO 2.5. Analysis of the capital market and risk pricing system</p> <p>ILO 2.6. Basic concepts useful for following courses in economics, business and administration</p> <p>ILO 3 - Making judgements</p> <p>ILO 3.1. Identifying the most relevant variables to use when making decisions in complex situations;</p> <p>ILO 3.2. Reporting analytically and critically on information, empirical evidence and data in order to make appropriate economic and managerial decisions;</p> <p>ILO 3.3. Evaluate the most appropriate quantitative and qualitative analytical tools to assist the decision-making process; ILO 3.4. Use logical arguments and relate information and analytical tools to find solutions.</p> <p>ILO 4 - Making judgements (Communication skills)</p> <p>ILO 4.1. Finally, the final exam offers students an excellent opportunity to integrate the knowledge they have acquired with their communication skills in a document that represents the culmination of their degree course studies.</p> <p>ILO 4.2. The achievement of this objective will be assessed through written exams, individual and group assignments, and the final degree thesis.</p> <p>ILO 5 - Learning skills</p> <p>ILO 5.1. Ability to find and make use of information from databases, research studies, laws, regulations and standards that are applied in professional life;</p> <p>ILO 5.2. Ability to analyse, critically evaluate and integrate data, information and experiences;</p> |
| <b>Specific Educational Objectives and Learning Outcomes (additional info.)</b> | <p>Knowledge and understanding:</p> <ul style="list-style-type: none"> <li>• Knowledge and understanding of company valuation models</li> <li>• Knowledge and understanding of option pricing and real options in different activity settings</li> <li>• Knowledge and understanding of investment decision rules</li> </ul> <p>Applying knowledge and understanding:</p>  |

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|                            | <ul style="list-style-type: none"> <li>• Application of analytical tools for financial statement analysis and modeling</li> <li>• Application of models for investment decisions under uncertainty</li> <li>• Application of real option analysis</li> <li>• -Application of company valuation models for investment decisions</li> </ul> <p>Making judgments:<br/>Being able to choose the appropriate methods and techniques to be applied in various real-life situations common to the financial industry</p> <p>Communication skills:<br/>Ability to explain the results of financial valuation exercises</p> <p>Learning skills:<br/>Being able to understand and find a solution for a particular financial problem of a particular investor (or corporation) using analytical reasoning, also supported by quantitative methods implemented using Microsoft Excel software.</p> |
| <b>Assessment</b>          | <p>Exam: Open-book part with numerical exercises in Excel and closed-book written exam part with theoretical review questions for attending and non-attending students.</p> <p>Part of the course grade (20%) is assigned for participating in the Investment Portfolio Challenge where the students will construct the investment portfolios and monitor their performance throughout the course.</p> <p>Exam (ILO 1-5) Investment Portfolio Challenge (ILO 3, 5)</p>  |
| <b>Evaluation Criteria</b> | <p>Treatment of attending and non-attending students for assessment is alike.</p> <p>Students who participate in the Investment Challenge sit in on exam for 80% grade, with additional 20% grade coming from the Investment Challenge.</p> <p>Students who do not participate in the Investment Challenge sit in on longer exam with additional questions for 100% of the grade.</p> <p>Relevant for exam assessment: theoretical knowledge of the</p>   |

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|   | concepts covered in the slides and explained in class, and ability to solve financial problems with the help of Microsoft Excel software as explained during the exercise sessions |
| <b>Required Readings</b>                    | <i>CFA Program Curriculum 2020 Level I</i> , Volumes 4 – 5. Wiley, 2017. ISBN: 1-942471-85-8 (library e-book)  |
| <b>Supplementary Readings</b>               | R. Brealey-S. Myers-F. Allen, <i>Principles of Corporate Finance</i> , 12th edition, McGraw-Hill, 2017   |
| <b>Further Information</b>                  | no   |
| <b>Sustainable Development Goals (SDGs)</b> | Industry, innovation and infrastructure, Responsible consumption and production, Reduced inequalities  |