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| SYLLABUSFaculty of Economics and Administrative Sciences |
| Course Code | **Course Title** | **Credits** | ECTS Value |
| IFN 429 | Investment Analysis | (3-0-3) | 6 |
| Prerequisite Courses: | None |
| Course Language: | English | **Course Delivery Mode:** | Face-to-face |
| Course Type and Level: |  Compulsory / Fall Semester / Undergraduate |
| Instructor's Title, Name, and Surname | **Course Hours** | **Office Hours** | Contact |
| Assist. Prof. Dr. Eda Kayhan | Thursday 10.15 -12.35 | Tuesday 13:25–15:45 | edakayhan@cag.edu.tr |
| Course Coordinator: | Assist. Prof. Dr. Eda Kayhan |
| Course Objectives |
| Course Learning Outcomes | Upon successful completion of this course, the student will be able to; | Relations |
| Program Outcomes | Net Contribution |
| 1 | Defines the concept of financial management and the factors affecting investment decisions for firms. | 3, 7 | 5, 4 |
| 2 | Defines and calculates the cost of capital and its components. | 3, 8, 9 | 5, 4, 5 |
| 3 | Explains the fundamental concepts related to investment project evaluation. | 3, 5 | 5, 5 |
| 4 | Applies investment project evaluation methods, performs calculation examples, and interprets the results. | 5, 8, 9 | 5, 4, 5 |
| 5 | Compares different investment alternatives and analyzes their advantages and disadvantages. | 5, 9 | 4, 5 |
| 6 | Evaluates the impact of investment decisions on the financial performance of the firm and develops strategic recommendations. | 5, 8 | 5, 5 |
| 7 | Interprets investment projects under uncertainty and risk, and uses risk analysis techniques. | 5, 9 | 5, 5 |
| Course Content: | The Investment Analysis course aims to enable students to define the fundamental concepts affecting investment decisions, calculate the cost of capital, and evaluate and analyze investment projects using methods such as NPV and IRR. It further encourages students to interpret investment projects under risk and uncertainty, discuss their impact on firm value, and develop strategic recommendations. |
| Course Schedule (Weekly Plan) |
| Week | **Topic** | **Preparation** | Teaching Methods and Techniques |
| 1 | Introduction to the Course, Importance of Investment Decisions, Role of Financial Management | None | Introduction, lecture with slides, short group discussion |
| 2 | Introduction to Investment Decisions and Capital Budgeting | Textbook Ch. 1–2 | Lecture with slides, in-class discussion |
| 3 | Time Value of Money – Future Value Calculations | Textbook Ch. 5 | Lecture with slides, problem solving |
| 4 | Present Value, Cash Flows, and Annuity Calculations | Textbook Ch. 5 | Lecture with slides, practice exercises |
| 5 | Sample Problem Solving (Interest & Cash Flows) | Textbook Ch. 5 | Small group problem solving, peer teaching |
| 6 | Cost of Capital and Its Components | Textbook Ch. 6 | Lecture with slides, discussion, sample problem solving |
| 7 | Weighted Average Cost of Capital (WACC) Calculations | Textbook Ch. 6 | Lecture with slides, case analysis, group work |
| 8 | Midterm Exam |  | Written exam |
| 9 | Midterm Exam |  | Written exam |
| 10 | Net Present Value (NPV) and Internal Rate of Return (IRR) Methods | Textbook Ch. 8 | Lecture with slides, group discussion |
| 11 | Other Investment Criteria (Payback Period, Profitability Index, etc.) | Textbook Ch. 8 | Lecture with slides, mini case analysis |
| 12 | Risk Analysis in Investment Projects (Sensitivity, Scenario, Monte Carlo, etc.) | Textbook Ch. 11 | Lecture with slides, practice exercises |
| 13 | Impact of Capital Budgeting Decisions on Financial Performance | Textbook Ch. 12 | Lecture with slides, group work, sample problem solving |
| 14 | Real Options Approach and Advanced Investment Decision Models | Textbook Ch. 13 | Lecture with slides, demonstration |
| 15 | Sample Application Problem Solving & Project Progress Presentations | Draft of group project report | Small group presentations, peer feedback |
| 16 | Project Presentations & Overall Evaluation | Final project report | Group presentations, discussion, feedback |
| 17 | Final Exam |  | Comprehensive written exam |
| 18 | Final Exam |  | Comprehensive written exam |
| Course Resources |
| Textbook: | Reilly Frank K., Brown Keith C., Investment Analysis and Portfolio Management, South-Western /Thomson Learning, 2002. ISBN: 0324171730, 9780324171730 |
| Recommended References: | Subscription to a weekly finance journalDoğukanlı, H., 2010. Portfolio Management, Karahan Publishing. |
| Course Assessment and Evaluation |
| Activities | **Number** | **Percentile** | Notes |
| Midterm Exams | 1 | 20% | One midterm exam is administered during Weeks 8 and 9. Includes problem set, short comment questions, and multiple-choice questions. |
| Assignments | 5 | 10% | Given in Weeks 3, 4, 6, 10 and 12. Includes individual problem-solving exercises and mini-case analysis. |
| Project (Report + Presentation) | 1 | 10% | Group project: capital budgeting or firm valuation. Progress report in Week 14, final presentation in Week 16. |
| Participation & In-Class Activities | 14 | 10% | Active participation in class discussions, case studies, in-class exercises, and guest speaker sessions. |
| Final Exam | 1 | 50% | Comprehensive written exam covering all course topics. |
| ECTS Table |
| Content | **Number** | **Hours** | Total |
| Course Duration | 14 | 3 | 42 |
| Out-of-Class Study | 14 | 3 | 42 |
| Assignment  | 5 | 6 | 30 |
| Presentation | 1 | 6 | 6 |
| Project | 1 | 30 | 30 |
| Midterm Exam (Midterm Exam Duration + Midterm Exam Preparation) | 1 | 12 | 12 |
| Final Exam (Final Exam Duration + Final Exam Preparation) | 1 | 18 | 18 |
| Total: | =180 |
| Total / 30: | 30: 180 ÷ 30 = 6 |
| ECTS Credit: | 6 |

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| Past Term Achievements |
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