



**AYDIN ADNAN MENDERES UNIVERSITY**  
**GRADUATE SCHOOL OF SOCIAL SCIENCES**  
**ECONOMICS AND FINANCE**  
**ECONOMICS - FINANCE AND BANKING INTERDISCIPLINARY**  
**ECONOMICS - FINANCE AND BANKING INTERDISCIPLINARY MASTER'S**  
**WITHOUT THESIS**  
**COURSE INFORMATION FORM**

|  |  |          |              |        |                                |          |   |            |   |
|--|--|----------|--------------|--------|--------------------------------|----------|---|------------|---|
| Course Title                                     | Capital Markets and Derivatives  |          |              |        |                                |          |   |            |   |
| Course Code                                      | BFN551   |          | Course Level |        | Second Cycle (Master's Degree) |          |   |            |   |
| ECTS Credit                                      | 5  | Workload | 125 (Hours)  | Theory | 3                              | Practice | 0 | Laboratory | 0 |
| Objectives of the Course                         | The goal of this course is to introduce the functions of financial markets and capital markets. Besides, another goal is to explain agents as intermediaries in the capital markets and financial instruments trading at the market. Moreover, it is aimed to identify international portfolio investments and risk measurement subjects in this course.   |          |              |        |                                |          |   |            |   |
| Course Content                                   | The content of Capital Markets course includes the definition and functions of capital markets and money markets, financial institutions and their functions, risks and returns of capital market investment instruments, fundamental and technical analysis, efficient market hypothesis, capital asset pricing model, option pricing model, international portfolio management, derivative markets, risk measurement techniques, and behavioral finance. |          |              |        |                                |          |   |            |   |
| Work Placement                                   | N/A  |          |              |        |                                |          |   |            |   |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Discussion   |          |              |        |                                |          |   |            |   |
| Name of Lecturer(s)                              |  |          |              |        |                                |          |   |            |   |

#### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 40             |
| Final Examination   | 1        | 60             |

#### Recommended or Required Reading

|   |   |
|---|---|
| 1 | Turhan Korkmaz ve Ali Ceylan, Sermaye Piyasası ve Menkul Değer Analizi, 5. Baskı, Ekin Kitabevi, Bursa, 2010. |
|---|---|

| Week | Weekly Detailed Course Contents |   |
|------|---------------------------------|---|
| 1    | Theoretical                     | Financial markets and their functions.                                  |
| 2    | Theoretical                     | Financial institutions and their functions.                             |
| 3    | Theoretical                     | Financial institutions and their functions.                             |
| 4    | Theoretical                     | Calculating the risks and returns of capital market instruments.        |
| 5    | Theoretical                     | Valuation of common stock and bonds.                                    |
| 6    | Theoretical                     | Efficient market hypothesis and analysis types.                         |
| 7    | Theoretical                     | Characteristics of derivatives and some calculations about derivatives. |
| 8    | Intermediate Exam               | Mid-term  |
| 9    | Theoretical                     | Derivatives and their importance considering risk management.           |
| 10   | Theoretical                     | Traditional and modern portfolio management.                            |
| 11   | Theoretical                     | Traditional and modern portfolio management.                            |
| 12   | Theoretical                     | Value at risk calculations.   |
| 13   | Theoretical                     | Behavioral finance.   |
| 14   | Theoretical                     | Behavioral finance.   |
| 15   | Theoretical                     | Capitalizing and its effects on financial markets.                      |
| 16   | Final Exam                      | Final   |

#### Workload Calculation

| Activity            | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory    | 14       | 2           | 3        | 70             |
| Individual Work     | 3        | 5           | 4        | 27             |
| Midterm Examination | 1        | 10          | 1        | 11             |



|   |   |    |                                       |     |
|---|---|----|---------------------------------------|-----|
| Final Examination                       | 1 | 16 | 1                                     | 17  |
|   |   |    | Total Workload (Hours)                | 125 |
|   |   |    | [Total Workload (Hours) / 25*] = ECTS | 5   |
| *25 hour workload is accepted as 1 ECTS |   |    |                                       |     |

### Learning Outcomes

|   |   |
|---|---|
| 1 | Understands the functions and economic effects of money and capital markets.  |
| 2 | Can explain the mechanism, legal structure, management and the importance for capital markets of financial institutions.  |
| 3 | Can explain capital market investment instruments according to risk and return aspects.   |
| 4 | Can explain fundamental and technique analysis considering efficient market hypothesis, capital asset pricing model, arbitrage pricing model, efficient frontier and optimal portfolio. |
| 5 | Can analyses option pricing models.   |
| 6 | Being able to explain the approaches of behavioral finance which reveal investor decisions in the capital markets.  |

### Programme Outcomes (*Economics - Finance and Banking Interdisciplinary Master's Without Thesis*)

|   |  |
|---|--|
| 1 | To be able to use correctly the basic concepts in the field of economics, finance and banking  |
| 2 | To be able to comprehend philosophical, social, historical and psychological principles influencing economics, finance and banking   |
| 3 | To be able to analyze economical, financial and bank-related events theoretically and empirically  |
| 4 | To be able to evaluate any economical, financial or banking-related problem in accordance with scientific principles   |
| 5 | To be able to prepare solutions for an economical, financial or banking-related problem cooperatively in accordance with principles and criteria                           |
| 6 | To be able to follow contemporary implementations, and national and international academic publications in economics, finance and banking                                  |
| 7 | To be able to prioritize scientific methods and ethical principles in economics, finance and banking while considering and implementing field specific professional issues |
| 8 | To be willing to do scientific research in the field of economics, finance and banking   |
| 9 | To be able to create value for economics-finance and banking profession as an occupational identity  |

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|    | L1 | L2 | L3 | L4 | L5 | L6 |
|----|----|----|----|----|----|----|
| P1 | 4  | 3  | 4  | 3  | 3  | 3  |
| P2 | 3  | 4  | 3  | 4  | 4  | 5  |
| P3 | 4  | 5  | 5  | 5  | 5  | 4  |
| P4 | 5  | 4  | 4  | 5  | 4  | 5  |
| P5 | 4  | 3  | 3  | 4  | 3  | 4  |
| P6 | 3  | 4  | 4  | 4  | 4  | 3  |
| P7 | 4  | 5  | 3  | 3  | 5  | 4  |
| P8 | 3  | 4  | 4  | 4  | 4  | 3  |
| P9 | 4  | 3  | 3  | 3  | 3  | 4  |

