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| *ÇAĞ UNIVERSITY*  *FACULTY OF ECONOMICS & ADMINISTRATIVE SCIENCES* | | | | | | | | | | | | | | | | | | | | | |
| **Code** | | | | | **Course Name** | | | | | | | | | | | **Credit** | | | | **ECTS** | |
| IFN 413 | | | | | Financial Derivative Markets | | | | | | | | | | | (3-0) 3 | | | | 6 | |
| **Prerequisites** | | | | | | | None | | | | | | | | | | | | | | |
| **Language of Instruction** | | | | | | | English | | | | | | | | | | | | | | |
| **Type / Level of Course** | | | | | | | Compulsory / 4th Year / Fall Semester | | | | | | | | | | | | | | |
| **Lecturers** | | | | **Name(s)** | | | | | | **Lecture Hours** | | | | | **Office Hours** | | | **Contacts** | | | |
| **Course Coordinator** | | | | | | Asst. Prof. Dr. Fatih Koç | | | | Friday 10:30-12:50 | | | | | Wed. 13:50-15:50 | | | [fatihkoc@cag.edu.tr](mailto:fatihkoc@cag.edu.tr) | | | |
|  | | | | | |  | | | |  | | | | |  | | |  | | | |
| **Course Objective** | | | | To provide a basic understanding of derivatives practice and use in financial markets.To provide practical and simple investment and corporate financial management strategies using derivatives.To allow students to apply these concepts and skills to meet investment and corporate finance objectives, using a series of examples that build to a final project. | | | | | | | | | | | | | | | | | |
| **Learning Outcomes of the Course** |  | | Upon completion of this course students should… | | | | | | | | | | | | | | | | | Prg.  Output | Net Effect |
| **1** | | Define what foreign markets are. | | | | | | | | | | | | | | | | | 7 | 5 |
| **2** | | The uses and market functions of financial derivatives | | | | | | | | | | | | | | | | | 8 | 5 |
| **3** | | Various theories on valuations of financial derivatives | | | | | | | | | | | | | | | | | 8 | 5 |
| **4** | | The relationships of financial derivatives with other financial instruments | | | | | | | | | | | | | | | | | 7 | 5 |
| **5** | | Use statistical and mathematical concepts in developing derivative strategies | | | | | | | | | | | | | | | | | 8 | 5 |
| **6** | | Apply derivative pricing models to evaluate performances of financial assets and positions | | | | | | | | | | | | | | | | | 8 | 5 |
| **7** | | Compare relative performances of various financial instruments and investment strategies | | | | | | | | | | | | | | | | | 7 | 5 |
| **8** | | Concepts of hedging, arbitrage, and management of financial risks | | | | | | | | | | | | | | | | | 8 | 5 |
| **9** | | Formulate hedging, arbitrage, and speculative strategies with derivatives | | | | | | | | | | | | | | | | | 8 | 5 |
| **10** | | Use various financial functions and models in financial calculations | | | | | | | | | | | | | | | | | 7 | 5 |
| **Course Description:** The course defines the main kind of derivatives, shows how they are used to achieve various hedging and speculating objectives, introduces a framework for pricing derivatives, and studies several applications of derivative-pricing techniques outside derivative markets. This course presents and analyzes derivatives, such as forwards, futures, and options. | | | | | | | | | | | | | | | | | | | | | |
| **Course Contents:( Weekly Lecture Plan )** | | | | | | | | | | | | | | | | | | | | | |
| **Weeks** | | **Topics** | | | | | | | | | | **Preparation** | | | | | | | **Teaching Methods** | | |
| **1** | | Intro | | | | | | | | | | Lecture Book | | | | | | | Lecture | | |
| **2** | | Forward | | | | | | | | | | Lecture Book | | | | | | | Lecture and Q&A | | |
| **3** | | Forward Applications | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **4** | | Futures | | | | | | | | | | Lecture Book | | | | | | | Lecture and Q&A | | |
| **5** | | Futures Applications | | | | | | | | | | Lecture Book | | | | | | | Lecture | | |
| **6** | | Options | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **7** | | Preparation for the Mid-Term Exam | | | | | | | | | | Lecture Book | | | | | | | Guest Lecture | | |
| **8** | | Options Applications | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **9** | | SWAP | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **10** | | SWAP Applications | | | | | | | | | | Lecture Book | | | | | | | Lecture and Q&A | | |
| **11** | | Combined Strategies | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **12** | | Option Pricing | | | | | | | | | | Lecture Book | | | | | | | Lecture and Discussion | | |
| **13** | | Student Presentations | | | | | | | | | | Presentations | | | | | | | Presentations | | |
| **14** | | Preparation for the Final Exam | | | | | | | | | | Lecture Book | | | | | | | Problem Solving | | |
| REFERENCES | | | | | | | | | | | | | | | | | | | | | |
| **Textbook** | | | | | | | | “Investments and Portfolio Management’’ Bodie, Kane, Marcus. Mc Graw Hill, 2018  https://www.spl.com.tr/spl/eep/kurumportal/Content/sinav-hazirlik-rehberleri/56/ | | | | | | | | | | | | | |
| **Recommended Reading** | | | | | | | | “Türev Piyasalar ve Analiz Yöntemleri” Beyhan Yaslıdağ, Seçkin Yayıncılık | | | | | | | | | | | | | |
| **Material Sharing** | | | | | | | |  | | | | | | | | | | | | | |
| **ASSESSMENT METHODS** | | | | | | | | | | | | | | | | | | | | | |
| **Activities** | | | | | | | **Number** | | **Effect** | | **Notes** | | | | | | | | | | |
| **Midterm Exam** | | | | | | | **1** | | **30%** | |  | | | | | | | | | | |
| **homework** | | | | | | | **1** | | **20%** | | **Total** | | | | | | | | | | |
| **Attendance** | | | | | | |  | |  | | **Full Attendance** | | | | | | | | | | |
| ***Effect of The Activities*** | | | | | | |  | | **50%** | |  | | | | | | | | | | |
| ***Effect of The Final Exam*** | | | | | | |  | | **50%** | |  | | | | | | | | | | |
| **ECTS TABLE** | | | | | | | | | | | | | | | | | | | | | |
| **Contents** | | | | | | | | | **Number** | | | | | **Hours** | | | **Total** | | | | |
| **Hours in Classroom** | | | | | | | | | **14** | | | | | **3** | | | **42** | | | | |
| **Hours out of Classroom** | | | | | | | | | **14** | | | | | **3** | | | **42** | | | | |
| **Homework** | | | | | | | | | **1** | | | | | **42** | | | **42** | | | | |
| **Midterm Exam** | | | | | | | | | **1** | | | | | **26** | | | **26** | | | | |
| **Final Exam** | | | | | | | | | **1** | | | | | **35** | | | **35** | | | | |
| **Total**  **Total / 30**  **ECTS Credit** | | | | | | | | | | | | | | | | | **187** | | | | |
| **187/30=6,23** | | | | |
| **6** | | | | |
| **RECENT PERFORMANCE** | | | | | | | | | | | | | | | | | | | | | |
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