

Koç University Graduate School of Business

Koç University Master of Science in Finance

**Responsibility
Leadership
Vision**



**KOÇ
UNIVERSITY**

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Why a Master of Science in Finance at Koç University?

A distinguishing aspect of the program is that the theoretical and technical material delivered in classes are supplemented with their practical applications to real life situations.

In an era of challenging financial environment, mastering the state-of-the art techniques and approaches in modern finance is more important than ever. The Master of Science in Finance program at Koç University provides a thorough foundation in financial economics and enhances the applied financial analysis and research skills needed by finance professionals.

The Koç Master of Science in Finance program with its dedicated faculty, innovative curriculum, strong links with the business world, its international position, and supporting facilities is a valuable investment for managers and their companies.

An evidence of the strong ties between the Koç Master of Science in Finance curriculum and professional practice is the recognition of Koç University as the first CFA Institute Program Partner in Turkey and in the region. At the same time the Master of Science in Finance program was introduced in 2008, Koç University was chosen as a CFA Institute Program Partner. Our world-class finance curriculum, faculty, and pursuit of excellence in teaching and research are the main drivers of this recognition. The CFA Institute partnership means that a comprehensive

part of the CFA Program Candidate Body of Knowledge is embedded into the Masters in Finance curriculum, including CFA Institute ethical and professional standards.

Pursue a graduate study in finance while continuing a professional career.

The primary objective of this masters program is to meet the need for specialized experts in both the public and private sectors. The graduates will be able to conduct financial analyses required in their respective fields in a well-grounded way since they study financial economics theory with practical implications in investments and corporate finance, and they excel in applied research skills during their studies.

Distinguishing aspect of the program

A distinguishing aspect of the program is that the theoretical and technical material delivered in classes are supplemented with their practical applications to real life situations. The richness of the courses, the content and the qualifications of the professors in the program are equivalent to the top graduate programs at an international level.



Koç University

Koç University is a non-profit private university founded in 1993 by the Vehbi Koç Foundation. The late Vehbi Koç is the founder of the Koç Group, the biggest industrial group in Turkey. The Vehbi Koç Foundation is the most influential foundation in Turkey and operates in the areas of education, health, and culture.

For more information please visit:
<http://www.ku.edu.tr> 

Koç University Graduate School of Business

Renowned for its faculty, research, and international partnerships, the Graduate School of Business is a truly exceptional institution dedicated to educating creative, versatile, and socially responsible future leaders.

The Graduate School of Business' mission is to provide the best education in order to contribute to the welfare of Turkey and all humanity. The Graduate School of Business aspires for its graduates to become leaders in their professions anywhere in the world, critical thinkers, creative individuals, who are socially responsible, and be committed to the highest ethical standards and to the values of democracy.

The Graduate School of Business' research aims to extend knowledge and to influence the intellectual, technological, economic, and cultural advancement of Turkey and its surrounding regions.

Koç University Graduate School of Business strives to achieve excellence. It is a high quality institution that aims to provide the best education with the best faculty, infrastructure, international network, research performance, and the best corporate relations.

For more information please visit:
www.gsb.ku.edu.tr



Program Overview

The Master of Science in Finance program at Koç University provides a thorough foundation in financial economics and enhances the applied financial analysis and research skills needed by finance professionals.

The program is a 30-credit non-thesis program with 6 core courses and 4 electives. It is designed to be completed in a 12-month period organized mainly in 4 semesters. During the Fall and Spring semesters, classes meet once a week during weekdays (Tuesday 6:30 pm to 9:30 pm)

and once on Saturdays (from 9:30 am to 5:30 pm). During the mini-semester, classes meet twice during weekdays (Tuesday and Thursday from 6:30 pm to 9:30 pm) and once on Saturdays (from 9:30 am to 5:30 pm)

Fall Semester		Mini Semester	Spring Semester		Summer Semester
MFIN 513	MFIN 515	Core / Elective Courses	MFIN 508	MFIN 525	Core / Elective Courses
MGEC 502		MFIN 510			Introduction

Class Profile



Educational Background

Undergraduate Degree	%
Engineering	21%
Business Administration	14%
Economics	36%
Other	29%

An Overview of Class of 2011

Average Work Experience	4.5 years
Average Age	28
International Experience	85%

Industry Experience

Manufacturing	14%
Services	85%

Functional Areas

Auditing	7%
Finance	57%
Consulting	7%
Other	29%

Internationally Recognized Faculty

The diversity of international faculty enhances the student experience. They share real world knowledge that directly relates to business issues.

The faculty of Koç Master of Science in Finance is composed of a group of published scholars, dedicated teachers, and well-known consultants. All faculty members have had extensive international education and experience. The faculty contributes to the objective of worldwide recognition with their international experience and scholarly activities.

Different courses are taken in the Master of Science in Finance program and the entire faculty has international education and teaching experience. Some renowned faculty comes from overseas to teach exclusively in this program. In the past academic year two visiting faculty members taught in the Master of Science in Finance program. The visiting faculty joined from acclaimed institutions such as Baruch College of New York and the University of North Carolina at Chapel Hill.

The diversity of this international faculty enhances the student experience. They share real world knowledge that directly relates to business issues.

All related faculty received their PhD from international universities and many of them worked in North American and European universities before joining Koç University.



Evrım Akdođu, PhD **Assistant Professor** **Finance**

Corporate Finance courses (Basic and Advanced) are designed to equip our students with a rigorous background on the tools and concepts that form the core of modern finance theory as well as a firm grasp on their practical applications. In our first course we familiarize the students with the general concepts related to the theory and practice of corporate financial decision-making. We study the type of decisions that financial managers make, focusing primarily on the investment and the financing decisions. In our second course, we build on the previous framework and take an in-depth look at the valuation of projects and firms. In the process, we learn the details of cost of capital estimations, different techniques of firm valuation, and establish frameworks to value assets under uncertainty. In addition, we delve into special corporate finance topics such as market efficiency, mergers and corporate control, and dividend policy.

Both classes have a serious emphasis on the practical applications of various theories and techniques introduced during lectures which is achieved primarily through the use of several case studies and group projects in each class.

Curriculum

Students are first introduced to the general framework of financial theories and concepts in Corporate Finance, Investments, and Macroeconomics. Knowledge and skills acquired in the initial courses allow for advanced discussions in Financial Markets and Institutions, Financial Derivatives and Advanced Corporate Finance. Finally, students apply their cumulative knowledge in case-oriented courses such as Bank Financial Management or Valuation and Corporate Restructuring.

Core Courses

MGEC 502	Macroeconomic Analysis for Management
MFIN 513	Corporate Finance
MFIN 508	Financial Markets and Institutions
MFIN 509	Financial Econometrics I
MFIN 515	Investment Management
MFIN 525	Derivative Securities

PROJ 500 Non-thesis graduate program project requirement. (Students will register PROJ 500 automatically and will receive a pass or fail based on an individual project they complete in one of the courses)

Elective Courses

MFIN 520	Advanced Corporate Finance
MFIN 514	Bank Financial Management
ACCT 550	Financial Statement Analysis
MFIN 530	Valuation and Corporate Restructuring
MFIN 550	Portfolio Management

All the electives in the MBA, M.A. in Economics, and M.A. in International Relations programs are open to Master of Science in Finance students provided that they can attend classes during the day-time.



Didem Özkalp

MSc in Finance '09
Assistant Internal Auditor
T.C. İş Bankası

I chose this program because I believe in education at Koç University. While I was searching a finance program, I saw MSc in Finance program at Koç. Then, it did not take a long time to make a decision.

I learned the subjects that I had not known and definitely wanted to know. I was thinking that it was hard to endure lessons after a working-day, but we extended the lessons voluntarily on some days.

I met special people through this program. I have to say that being a member of Koç family is a privilege. I am sure you will find all the things you are looking for but only if you lay special emphasis on study and research. Thus, make yourself ready for this program.

$$\frac{E}{V_L - TD} + \frac{D}{1 - \frac{E}{V_L} - \frac{TD}{V_L}} \beta_d (1 - t)$$

$$r_f + \beta_d (r_m - r_f) = 12\%$$

$$V_L - TD = V_U + tD$$

$$\frac{V_L - TD}{V_L} = \frac{V_U + tD}{V_U + tD}$$

Students are first introduced to the general framework of financial theories and concepts in Corporate Finance, Investments, and Macroeconomics.

Course Descriptions

MFIN 508 - Financial Markets and Institutions

Asst. Prof. Cem Demirođlu

The theory of financial intermediation and the structure of financial markets; interest rates and security valuation; central banking system and monetary policy; securities markets including money, capital and foreign exchange markets; commercial banking; investment banks, insurance companies, mutual funds and pension funds.

MFIN 509 - Financial Econometrics I

Asst. Prof. Rehim Kiliç

Statistical and Econometric tools used in financial research and decision making. Topics covered include probability theory, random variables, mathematical expectations, distributions of random variables, distributions used in financial research, sampling, sampling distributions, hypothesis testing, estimation theory, and simple linear and multiple linear regression models. Emphasis is placed on the application of statistical and econometric techniques to problems in financial economics.

MFIN 513 Corporate Finance

Asst. Prof. Evrim Akdođu

An introduction to the fundamental financial issues of the corporation. Topics covered include basic concepts of debt and equity sources of financing and valuation; capital budgeting methods; cash flow forecasting and risk analysis; and the cost of capital. The course introduces a rigorous analysis of firm's capital structure and dividend policies, and supplements this with an overview of the real-world considerations, constraints and risks facing managers.



Sahika Balbay **MSc in Finance '10**

I wanted to obtain a master degree in finance from one of the leading finance schools in Turkey. To make a healthy decision in choosing the best school for my future, I contacted MSc in Finance alumni, consulted experienced financiers and finally set Koç University on the top of my list. MSc in Finance program at Koç University met my needs with its up-to-date curriculum and faculty members who have impressive backgrounds and close relations with the finance sector. Courses and in-class discussions made significant contributions to my career decisions and to my level of perception regarding economic and financial affairs.

Course Descriptions

MFIN 514 Bank Financial Management

Asst. Prof. Cem Demirođlu

Differences between banks, other financial intermediaries, and securities markets as sources of corporate financing; unique aspects of banks as financial intermediaries; bank contracts, their pricing and management with respect to interest rates, inflation and credit risk; measures of interest rate risk and hedging techniques; securitization of bank assets; reasons for the rapidly growing importance of non-bank sources of funds for corporations, and implications for the future of the banking industry.

MFIN 515 Investment Management

Prof. Thierry Post

An analysis of capital markets and financial instruments. Topics include fundamental principles and theories of financial asset pricing, asset valuation, risk measurement, risk-return tradeoff, and portfolio design, as well as an introduction to the main financial markets, their organization and functional characteristics.

MFIN 520 Advanced Corporate Finance

Assoc. Prof. Ođuzhan Özbař

An intensive analysis of the effects of various corporate financial policy decisions on the value of the firm; effects of taxes, bankruptcy costs and agency costs on corporate financial decisions; the interrelation of financing policy with executive compensation, mergers and acquisitions, leasing, hedging and payout policies.

MFIN 525 Derivative Securities

Asst. Prof. Atakan Yalçın

Pricing of derivative securities such as futures and options contracts and swaps, as well as securities that contain embedded options; costs and benefits of using derivative securities in risk management strategies; portfolio policies including static and dynamic hedging; applications from commodity, equity and bond markets.

MFIN 530 Valuation and Corporate Restructuring

Visit. Prof. Mustafa Gültekin/University of North Carolina

Creating value through corporate restructuring and examining how various types of restructurings impact creditors, shareholders, employees and other stakeholders. Topics covered include quantitative background on corporate valuation methodologies; application of these methodologies to value creation through restructurings such as mergers and acquisitions, bankruptcy reorganizations and workouts, corporate spin-offs, targeted stock offerings, and employee buyouts.

ACCT 550 Selected Topics in Accounting: Financial Statement Analysis

Senior Lecturer, Alp Bayülken

Application of economics, finance theory, and quantitative methods to the study of financial statement information; earnings management, cash flow analysis in measuring actual economic performance; usefulness and limitations of traditional ratio analysis; statistical properties of financial statement data; cross-sectional and time-series analysis of financial statement numbers; use of financial statement information for asset pricing; capital market's reaction to firms' announcements; association between security returns and accounting earnings; relationship between financial information and valuation models, corporate restructuring, financial distress analysis, and prediction.

MGEC 502 Macroeconomic Analysis for Management

Senior Lecturer, Murat Uçer/Advisor, Global Source Partners & Partner, Ucer-Mizrahi Information Systems

Effects of macroeconomic policies such as fiscal, monetary, and foreign exchange on business. Causes and consequences of inflation and unemployment. Economic growth and technological progress. Open economy, international flow of goods and capital, exchange rates.

MFIN 550 Portfolio Management

Prof. Thierry Post

Techniques available to assist the investor in making the risk/return trade-off; principles of modern portfolio theory; asset pricing under the capital asset pricing model and the arbitrage pricing model; asset allocation; use of derivative securities in portfolio insurance; valuation of fixed income securities and interest rate risk management in fixed income portfolios; and assessing investment performance.



Alper Özsoy

MSc in Finance '09

Unit Head

Senior Banker

Global Subsidiaries Group

Citibank Turkey

The material that I am learning in the MSc in Finance Program definitely provided me additional benefit in my career as a banker; we learned about financial instruments that are very new to Turkish markets and I am sure this know-how will be one of our privileges in the future of financial system in emerging markets.

Especially latest financial crisis has proven how prudent we should be with regards to new financial structures and products, their benefit and risks. This program gives everyone a deep understanding of risk and return measurements, investment opportunities/techniques and I recommend it to everyone who wants to be prepared for the new era in finance.

12-month

The program is a 30-credit non-thesis program with 6 core courses and 4 electives. It is designed to be completed in a 12-month period organized mainly in 4 semesters.



The first requirement of Koç Master of Science in Finance program is to be highly motivated and dedicated.

Admission Requirements

Applicants must have the following qualifications and apply to the office of Koç Graduate School of Business with the related documents:

All candidates are required to have:

- An undergraduate degree from an accredited institution
- To have completed military service (if applicable) or proof of deferment
- A written statement of corporate support
- Indications of quantitative achievement (transcripts, job duties, GMAT scores if available)
- Proficiency in English

Candidates must submit a package that contains the application form with essays, at least two reference letters, transcripts from all institutions attended and ALES score. They should preferably have full-time professional work experience.

Personal interviews are used to assess potential candidates' success in a highly demanding program. Standardized tests such as TOEFL and GMAT may be required. All Turkish nationals are required to take the ALES admission test administered by the Higher Education Council (YÖK). Candidates who have taken the GMAT test and have obtained the score of 550 or more are exempted from ALES. All international students are required to take the GMAT test and achieve a minimum of 550. Applicants must apply by June 20, of that year at latest. There is an early application deadline on April 15th.



Özge Vardinli MSc in Finance '10 Finance Manager Buongiorno

The reason why I aimed at having a master degree was to increase my skills by uniting the work experience I had up until now with the theory going into depth of the subject matter. I chose Finance because I think I find all math, economics and “sine qua non” of business life within it. The reason why I preferred Koç was that it was the most enriched program in its area that would allow me to further excel in the fields of Corporate Finance, Valuation and Financial Modeling with the courses and the design of the program it offered.

Campus Life and Facilities

Located in close proximity to İstanbul Stock Exchange and corporations in the Maslak-Levent area, İstinye Campus hosts the entire MSc in Finance Program and the EMBA program's winter sessions.

Fener Campus

Koç University's Fener Campus presents a living space full of fresh air for those students who desire to focus on the academic life in the middle of the nature. The campus is easy to access at any hour of the day, with scheduled public buses, minibuses, ferries and shuttles programmed in accordance with the academic schedules.

İstinye Campus

Koç University's renovated İstinye Campus serves as the Executive Education Center. Located in close proximity to İstanbul Stock Exchange and corporations in the Maslak-Levent area, İstinye Campus hosts the entire MSc in Finance Program and the EMBA program's winter sessions. The campus is comprised of five buildings and its 32-room guest house is available for accommodation. In the 12 months term between the full-time summer terms, the classes are held in İstinye Campus.



Buket Uluocak Aytekin

MSc in Finance '09
Treasury Management
Senior Dealer
Yapı Kredi

After having 5 years of work experience, I have attended the MSc in Finance Program. The program has filled all requirements about building up the skills in my professional life. In addition, thanks to the program we had a chance to meet very valuable professors who gave us a deep and wide perspective for the rest of our lives. I can advise every candidate who wants to enhance herself in finance to attend the MSc in Finance program.

151,000

Koç University Library boasts a collection of 151,000 books, 42,500 e-journals and 57 online databases.

Library

Koç University Library boasts a collection of 151,000 books, 42,500 e-journals and 57 online databases. Inter-library loan and document delivery services make material easily accessible to students. Koç University's library also provides subject-specific library training and reference services in several fields of business.

Sports and Physical Fitness

The School believes in the importance of physical fitness as an integral part of a well-balanced lifestyle. In the gymnasium with synthetic surface and in the weight training and conditioning areas, men and women can pursue personal health objectives under trained supervision. The outdoors swimming pool is particularly appealing in the summer term.



Atakan Yalçın, PhD Assistant Professor Finance

Derivative Securities course we offer is the first step of a coordinated approach to risk management in the Master of Science in Finance curriculum. The class is a blend of theory and practice, and provides a base for further specialist topics if desired. Students in our program come from different backgrounds, equipped with different technical skills. As such, the presentation is academically rigorous yet intuitively motivated. Through in-class problems and hands-on computer simulations, this class is intended to prepare investment generalists for practical risk management applications.

Memberships

Being a member of GBSN, Koç University Graduate School of Business is fostering a network of emerging business leaders who are committed to using the power of business to create a better world.

Koç University Business School is a member of the Association to Advance Collegiate Schools of Business (AACSB). The International AACSB has nearly 1200 members in more than 75 countries.

More information on AACSB International, please visit www.aacsb.edu



The School is also a member of the European Foundation for Management Development (EFMD). EFMD is an international membership organization, based in Brussels, Belgium. It has more than 750 member organizations in academia, business and the public sector in more than 80 countries.

More information on EFMD is available at www.efmd.org



Koç University Business School, which aims to support the development of business leaders of the 21st century, continues to be the pioneering educational institute of Turkey through its international expansion.

In December 2009, Koç University became the first university to join the Global Business School Network (GBSN) through the College of Administrative Sciences and Economics and the Graduate School of Business. It is a non-profit organization which aims to educate future corporate leaders of emerging markets with the support of the International Finance Corporation and the World Bank.

There are currently 39 management schools from 21 countries in the Global Business School Network which aim to establish a professional collaboration among reputable management schools and local management faculties.

As a member of GBSN, Koç University Graduate School of Business fosters a network of emerging business leaders committed to harnessing the power of business to create a better world. The next generation of skilled managers will positively impact society throughout their professional careers and beyond.

More information on GBSN is available at www.gbsnonline.org/



Koç University Graduate School of Business is the full academic member of CEMS alliance (The Global Alliance in Management Education), which is a strategic body of leading business schools and multinational companies.

CEMS is the global league of leaders on the pre-experience Master's Market, and is unrivalled when it comes to the reputation of its members: 26 world-class academic institutions (25 full members and 1 associate member) and 2 social partners (NGOs) collaborate together with 68 corporate partners to offer international postgraduate students a unique blend of high quality education and professional experience. Its first mission is to set a global standard of excellence for pre-experience Master's in management. As a full academic member of CEMS, Koç University Graduate School of Business offers CEMS MIM (Master in International Management), a prestigious supranational business degree. This masters degree program is available exclusively to the CEMS schools which meet the very strict selection criteria. More information on CEMS: The Global Alliance in Management Education is available at

www.cems.org



Özgür Sungu
MSc in Finance '11
Portfolio Manager
İş Asset Management

After 4 years of asset management experience, I decided to pursue a program that specializes in Finance to train myself in specific areas of my profession. MSc in Finance Program at Koç University became my first choice in Turkey thanks to the extensive experiences of the faculty members and worldwide recognition of CFA institute program partnership. Rich course list combines rigorous academic core with practical applications and provides the most efficient academic experience for students who aim deeper understanding of quantitative methods and strong managerial decision-making ability. Achievement of the right balance between theory and practice provides an invaluable expertise for a successful career in this demanding profession.

Accreditation

Koç School of Business prides itself in being the first and only school in Turkey and its neighboring regions to obtain EQUIS accreditation.

Koç University School of Business earned EQUIS accreditation in March 2009.

EQUIS -the European Quality Improvement System- is a leading international system of quality assessment, improvement, and accreditation of higher education institutions in management and business administration administered by EFMD. Its scope covers all programs offered by an institution from the first degree up to the PhD, including non-degree programs.

Koç School of Business prides itself in being the first and only school in Turkey and its neighboring regions to obtain EQUIS accreditation. The accreditation is one of the milestones in the School's efforts towards achieving worldwide recognition with its programs, students, alumni, and faculty.



Sükrü Güçlü Dutluca
MSc in Finance '11
Senior Assistant Auditor
Group Audit Turkey
HSBC

The program is quite proactive; it carries out both theoretical and implementation parts. The contents of the courses are up-to-date. I have improved my knowledge about finance which will be very beneficial for my auditor position. I am sure that all the information I obtained within this program will be an asset for my career path.

CFA Partnership

The CFA Institute has partnerships with a limited number of select institutions that cover a significant portion of the CFA Program curriculum in their degree program.

The CFA Institute is a global membership association that administers the Chartered Financial Analyst® [CFA®] and Certificate in Investment Performance Measurement [CIPM] curriculum and exam programs worldwide, publishes research, conducts professional development programs, and sets voluntary, ethics-based professional and performance reporting standards for the investment industry. The CFA Institute has more than 95,900 members, including the world's 82,600 CFA charter holders, in 134 countries and territories, as well as 135 affiliated professional societies in 56 countries and territories. More information on the CFA Institute is available at

www.cfainstitute.org/index.html.



Other Affiliations

Koç University signed the UN Global Compact in 2007. In 2008, Koç School of Business participated in the Principles of Responsible Management Education Initiative (PRME). Our programs remain committed to advancing corporate and social responsibility.

The CFA Program sets a globally recognized standard for developing the skills, standards, competence and integrity of the financial analysts, portfolio managers and investment advisers worldwide. The CFA Institute has partnerships with a limited number of select institutions that cover a significant portion of the CFA Program curriculum in their degree program. These partner universities are recognized as leaders and serve as role models to other institutions. Koç University's Master of Science in Finance Program was selected as the first partner program in Turkey and one of only 36 CFA Program partners throughout Europe.

Directions to Rumelifeneri Campus



Rumelifeneri Yolu 34450 Saryer İstanbul **Tel:** 0212 338 1000 **Fax:** +90 212 338 1360



Koç University Graduate School of Business is the leading school in business education in Turkey and stands among the most successful business schools globally. In Financial Times Global Executive MBA Rankings 2010, Koç ranks 24th in Europe, 57th in the world and is the only business school from Turkey and also from the surrounding region ranked in top 100.

Koç University Graduate School of Business' vision is being recognized as a model in Turkey and beyond. Its mission is building the most innovative post-graduate business programs and acting as a facilitator of change and progress. With its program offerings and partnerships, the School is the pioneer in terms of the first achievements in management education in Turkey. It established the first Executive MBA Program in Turkey. Its MSc in Finance Program is the first CFA Program Partner in Turkey. Koç University became a member of CEMS – The Global Alliance in Management Education as the only Turkish university in 2009. CEMS MIM (Master of Science in International Management), ranked 1st in the Financial Times Master in Management Rankings in 2009, and 2nd in 2010.

Choosing Koç University Graduate School of Business and coming to İstanbul mean choosing a fascinating place to live, study, and work. İstanbul has a unique geographical location as the city on two continents and has a beautiful landscape where you feel the combination of contemporary and traditional. It is the business headquarters of Turkey, which is the 16th largest economy in the world and 6th among the EU countries in 2009 as stated by IMF. With its dynamic, stable, attractive, and promising economy, Turkey is becoming the international business center and hub with easy access to multiple markets including Europe, Russian Federation, Middle East, North Africa, Central Asia, and Caucasus.

Accreditation

Partnership

Membership

United Nations Initiatives

Rankings

