



ÇANKAYA UNIVERSITY

Faculty of Economics and Administrative Sciences

Course Definition Form

Part I. Basic Course Information

Department Name	BANKING AND FINANCE	Dept. Numeric Code	3 5
Course Code	B A F 2 0 6	Number of Weekly Lecture Hours	3
		Number of Weekly Lab/Tutorial Hours	0
		Number of Credit Hours	3
Course Web Site	http:// bf.cankaya.edu.tr	ECTS Credit	0 6

Course Name and Other Course Information

This information will appear in the printed catalogs and on the web online catalog.

English Name	Computer Applications in Finance
Turkish Name	Finansal Bilgisayar Uygulamaları
Mode of Delivery	Face to face
Language of Instruction	English

Course Description

Provide a brief overview of what is covered during the semester. This information will appear in the printed catalogs and on the web online catalog. Maximum 60 words.

This course is designed to build a basic background for the students in computer coding. Basic features of excel and operations related to financial products with excel are introduced. Pricing, random number generation, plotting graphs and histograms with excel will be taken into consideration.

Prerequisites (if any) <i>Give course codes and check all that are applicable.</i>	1 st	2 nd	3 rd	4 th
	<input type="checkbox"/> Consent of the Instructor	<input type="checkbox"/> Senior Standing	<input type="checkbox"/> Give others, if any.	
Co-requisites (if any)	1 st	2 nd	3 rd	4 th
Course Type <i>Check all that are applicable</i>	<input checked="" type="checkbox"/> Must course for dept. <input type="checkbox"/> Must course for other dept.(s) <input type="checkbox"/> Elective course for dept. <input type="checkbox"/> Elective course for other dept.(s)			

Part II. Detailed Course Information

Course Objectives

Maximum 100 words.

The objective of the course is to disseminate knowledge of financial tools, theories, models and practices in real world environment.

Learning Outcomes

Explain the learning outcomes of the course. Maximum 10 items.

At the end of this course, students should be able to: A. Develop advanced computer-based financial models. B. Use the advanced features of spreadsheets.

Textbook(s)

List the textbook(s), if any, and other related main course material.

Author(s)	Title	Publisher	Publication Year	ISBN

Reference Books

List, if any, other reference books to be used as supplementary material.

Author(s)	Title	Publisher	Publication Year	ISBN

Teaching Policy

Explain how you will organize the course (lectures, laboratories, tutorials, studio work, seminars, etc.)

In conducting the course, lectures will be accompanied with exercise problems and case studies to provide the students a better practical expertise.

Laboratory/Studio Work

Give the number of laboratory/studio hours required per week, if any, to do supervised laboratory/studio work and list the names of the laboratories/studios in which these sessions will be conducted.

Courses will be held in lab.

Computer Usage

Briefly describe the computer usage and the hardware/software requirements for the course.

Excel will be utilized.

Course Outline

List the weekly topics to be covered.

Week	Topic(s)
1	Introduction
2	Data Analysis
3	Data Analysis
4	Basic Financial Calculations (PV-FV etc)
5	Basic Financial Calculations (Loan Amortization)
6	Basic Financial Calculations (NPV-IRR etc.)
7	Midterm Week
8	Basic Financial Calculations (Portfolio Theory Risk and Return)
9	Basic Financial Calculations (Portfolio Theory: Efficient Portfolios)
10	Basic Financial Calculations (Portfolio Theory: CAPM)
11	Basic Financial Calculations (Portfolio Theory: WACC)
12	Excel (Basic Financial Calculations - Asset Pricing)
13	Excel (Basic Financial Calculations - Asset Pricing)
14	Introduction to Bloomberg Terminal

Grading Policy

List the assessment tools and their percentages that may give an idea about their relative importance to the end-of-semester grade.

Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage
Midterm Exam	1	40						
Final Exam	1	50						
Class Participation	14	10						

ECTS Workload <i>List all the activities considered under the ECTS.</i>			
Activity	Quantity	Duration (hours)	Total Workload (hours)
Attending Lectures (<i>weekly basis</i>)	14	3	42
Attending Labs/Recitations (<i>weekly basis</i>)			
Compilation and finalization of course/lecture notes (<i>weekly basis</i>)	14	2	28
Collection and selection of relevant material (<i>once</i>)	1	5	5
Self study of relevant material (<i>weekly basis</i>)	14	3	42
Take-home assignments			
Preparation for quizzes			
Preparation for mid-term exams (<i>including the duration of the exams</i>)	1	15	15
Preparation of term paper/case-study report (<i>including oral presentation</i>)			
Preparation of term project/field study report (<i>including oral presentation</i>)			
Preparation for final exam (<i>including the duration of the exam</i>)	1	25	25
TOTAL WORKLOAD / 25			157/25=6,28
ECTS Credit			6

Program Qualifications vs. Learning Outcomes <i>Consider the program qualifications given below as determined in terms of learning outcomes and acquisition of capabilities for all the courses in the curriculum. Look at the learning outcomes of this course given above. Relate these two using the Likert Scale by marking with X in one of the five choices at the right.</i>						
No	Program Qualifications	Contribution				
		0	1	2	3	4
1	Be able to monitor and analyze the dynamics of banking and financial markets.		x			
2	Be able to utilize the basic knowledge that obtained with an interdisciplinary approach to business, economics, etc. in creating expertise in the fields of Banking and Finance in accordance with the requirements of the globalized business environment.			x		
3	Be able to identify and analyze the validity of theories related to the banking and finance and their relationships regarding current conditions.			x		
4	Have a good knowledge of the regulations and legislation underpinning the financial markets and institutions.		x			
5	Have the ability to efficiently perform all responsibilities of managerial finance within a corporation.			x		
6	Be able to use quantitative techniques and methods that are predominantly used in banking and finance.				x	
7	Be able to use the theoretical and practical knowledge obtained in his/her field in analyzing and evaluating data.				x	
8	Be able to construct, analyze and interpret financial and economic models					x
9	Be able to understand and evaluate the problems in banking and finance and to discuss and express his/her opinions clearly.			x		
10	Gain self-evaluation skills to identify exactly his/her self-learning and self-improvement needs, being at the same time equipped with the capacity to follow advanced courses and degree studies.				x	
11	To maintain scientific, social, and ethical standards when collecting, interpreting, and disseminating financial information, and in application of financial ideas.			x		

Scale for contribution to a qualification: **0**-none, **1**-little, **2**-moderate, **3**-considerable, **4**-highest