

ÇANKAYA UNIVERSITYFaculty of Economics and Administrative Sciences Course Definition Form

Part I. Basic Course Information

Department Name		BANKING AND FINAI	Dep	t. Numeric Code	3	5			
Course Code		B A F 4 2 5	Number of Weekly Lecture Hours	3	Number of Weekly Lab/Tutorial Hours	0	Number of Credit Hours	3	3
Course Web S	http:// bf.cankaya.edu.tr Course Web Site					ECT	'S Credit	0) 5
		her Course Information ar in the printed catalogs and on	the web online catalog.						
English Name	CRM	and Data Mining for Financial	l Services						
Turkish Name	Finan	sal Hizmetler için MİY ve Veri	Madenciliği						
Mode of Delivery	Face	to face							
Language of Instruction	Englis	sh							
60 words. The course is o	verview o		cessary for a banking and fi		· ·		_		
Prerequisites (if any) Give course code check all that are applicable.	es and	Consent of the Instructor	2nd Senior Standing 2nd		3rd Give others, if any.		4th		
Co-requisites (if any)		154		In the printed catalogs and on the web online catalog. Maximum for a banking and finance students. Students will learn to use a spreadheet Senior Standing					
Course Type Check all that an	е	Must course for dept.	Must course for other dept.(s)	□E	lective course for dept.		Elective course for oth	ner d	lept.(s)

FORM: FEA-CDF-B2-JUNE-2013

Part II. Detailed Course Information

Course Objectives Maximum

100 words

This course will introduce Customer Relationship Management (CRM) and Data Mining methods with a special focus on financial services firms. Our objective in this course is to define what CRM is and explore requirements for a successful CRM implementation. Given the importance of business analytics within CRM, our second objective would be to understand the data mining methods and applications. The focus of data mining will be more on the application side than on the theoretical requirements.

Learning Outcomes

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

After successfully completing this course, the students will be able to:

- Identify requirements for a succesfull CRM implementation
- Identify and apply the correct data mining methods
- Transform information to knowledge

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 examples and case studies.

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.

Computer Usage

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

This course will use a spreadsheet and a statistical software

	Course Outline List the weekly topics to be covered.					
Week	Topic(s)					
1	CRM: definition, process and integral parts (knowledge and interaction management)					
2	CRM: definition, process and integral parts (knowledge and interaction management)					
3	What causes CRM failures and sucess? Empirical findings					
4	Understanding customers and customer differences; Customer value; Segmentation					
5	Customer loyalty and retention strategies					
6	Winback and acquisition strategies					
7	Midterm Week					
8	Information technology and customer data; Data warehouse					
9	Data mining, Visual methods, Data analysis					
10	Targeting methods for customer acquisition					
11	Targeting methods for customer acquisition; Lorenz curve					
12	Segmentation methods (clustering, decision trees); Attrition (retention) prediction					
13	Segmentation methods (clustering, decision trees); Attrition (retention) prediction					
14	Optimization for campaign management					

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	30	Quiz	2	10				
Final Exam	1	35	Group project	1	15				
Class Participation	14	10							

ECTS Workload List all the activities considered under the ECTS.			
Activity	Quantity	Duration (hours)	Total Workload (hours)
Attending Lectures (weekly basis)	14	3	42
Attending Labs/Recitations (weekly basis)	14	-	-
Preparation beforehand and finalizing of notes (weekly basis)	14	1	11
Collection and selection of relevant material (once)	1	3	5
Self study of relevant material (weekly basis)	14	2	15
Homework assignments	2	6	
Preparation for Quizzes	3	2	
Preparation for Midterm Exams (including the duration of the exams)	1	14	15
Preparation of Term Paper/Case Study Report (including oral presentation)	1	5	8
Preparation of Term Project/Field Study Report (including oral presentation)	1	6	9
Preparation for Final Exam (including the duration of the exam)	1	20	20
	TOTAL V	VORKLOAD / 25	125/25=5
		ECTS Credit	5

Program Qualifications vs. Learning Outcomes 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.

No	Program Ovelifications			Contribution				
NO	Program Qualifications	0	1	2	3	4		
BAF-1	Be able to monitor and analyze the dynamics of banking and financial markets.					х		
BAF-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.					х		
BAF-3	Be able to identify and analyze the validity of theories related to the banking and finance and their relationships regarding current conditions.					x		
BAF-4	Have a good knowledge of the regulations and legislation underpinning the financial markets and institutions.					x		
BAF-5	Have the ability to efficiently perform all responsibilities of managerial finance within a corporation.				х			
BAF-6	Be able to use quantitative techniques and methods that are predominantly used in banking and finance.				х			
BAF-7	Be able to use the theoretical and practical knowledge obtained in his/her field in analyzing and evaluating data.					х		
BAF-8	Be able to construct, analyze and interpret financial and economic models				x			
BAF-9	Be able to understand and evaluate the problems in baking and finance and to discuss and express his/her opinions clearly.					х		
BAF-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.					х		
BAF-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