ADVANCED EXCEL

1	Course Title:	ADVANCED EXCEL
2	Course Code:	EKO3010
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	No
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ERKAN IŞIGIÇOK
15	Course Lecturers:	Prof. Dr. Erkan IŞIĞIÇOK
16	Contact information of the Course Coordinator:	E-posta : eris@uludag.edu.tr Telefon: 0 224 29 41101 Adres: Bursa Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü,16059, Görükle/Bursa.
17	Website:	
18	Objective of the Course:	The aim of the course is to develope used in daily life and work of mathematical, statistical and financial-related programs (software) and execute advanced automatic-analysis with macro operations.
19	Contribution of the Course to Professional Development:	Methods and techniques of education is to give the students can apply to their fields.
20	Learning Outcomes:	
		1	To be able to use effectively the Excel program menus.
		2	To be able to use effectively the Excel program commands.
		3	To be able to execute advanced calculations in Excel program.
		4	To be able to calculate descriptive statistics in Excel program.
		5	To be able to calculate inferential statistics in Excel program.
		6	To be able to run macro operations in Excel program.
		7	To be able to management of database in Excel program.
		8	To be able to develop programs (software) mathematical, statistical and financial-related in Excel.
		9	
		10	
21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	General features of the Excel program	

2	Menus, commands, and use of formula of the Excel program	
3	Linear algebra applications with Excel	
4	Solutions to systems of equations with multiple variables in Excel	
5	Descriptive statistics applications in Excel	
6	Inferential statistics applications in Excel	
7	Statistical (Shewhart) control charts applications with Excel	
8	Macro procedures and practices in Excel	
9	Advanced automatically analyses in Excel program	
10	Management of database in Excel program	
11	Data query and sort in Excel	
12	Data summarizing operations in Excel program	
13	Programs (software) development mathematical, statistical and financial-related	
14	Regression and correlation analysis applications in Excel	

22	Textbooks, References and/or Other Materials:	1. Erkan IŞIĞIÇOK, Uygulamalı Bilgisayar 2, Marmara Kitabevi, 2001, Bursa.
23	Assesment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0.00	
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Final Exam	1	60.00	
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00		
Field Studies	0	0.00	0.00
Contribution of Final Exam to Success Grade	60.00		
Midterm exams	1	40.00	40.00
Others	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course	Multiple choice test questions and written questions		
Final Exam	1	40.00	40.00
Total Work Load			150.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	2	1	4	1	1	4	3	5	4	5	1	0	0	0	0
ÖK2	1	2	2	4	1	1	4	3	4	4	5	1	0	0	0	0
ÖK3	1	2	2	3	1	1	4	4	4	4	5	1	0	0	0	0
ÖK4	1	2	1	5	1	1	5	4	5	4	4	1	0	0	0	0

ÖK5	1	2	1	5	1	1	4	4	5	4	4	2	0	0	0	0
ÖK6	2	2	1	4	1	1	4	4	4	5	5	2	0	0	0	0
ÖK7	1	2	1	5	1	1	4	5	5	4	4	2	0	0	0	0
ÖK8	1	1	1	5	1	1	4	4	5	4	4	2	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High