AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Commercial Mathematics						
Course Code	İŞT102		Couse Level	Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	0	Laboratory	0

Objectives of the Course	The aim of this course is to teach students the necessary and sufficient mathematical knowledge in order to understand the subjects of economic life and to give basic information, concepts and applications related to commercial transactions, to understand the commercial digital transactions that can be encountered in business life.
Course Content	Percent and per thousand accounts, ratio and proportion, the concept of cost-price and profit calculations, simple and compound interest, discounting calculations, annuity calculations.
Work Placement	N/A
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Problem Solving
Name of Lecturer(s)	Ins. Muhittin TURAN

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Ticari Matematik-Ekin Yayınevi-Zehra Başkaya-2011
2	Ticari Matematik-Ekin Yayınevi-Sıdıka Parlak-2012
3	Ticari Matematik-Nobel Yayın-Sıddık Arslan-2012
4	4. Ticari Matematik-Detay Yayıncılık- Nurhan Aydın, Metin Çoşkun-2016

Week	Weekly Detailed Course Contents	
1	Theoretical	Using percent and thousandth accounts
2	Theoretical	Using percent and thousandth accounts
3	Theoretical	Calculate the ratio or ratio
4	Theoretical	To make calculations of mixture, composition and alloy
5	Theoretical	To make calculations of mixture, composition and alloy
6	Theoretical	Purchase, cost, sales and profit calculations
7	Theoretical	Purchase, cost, sales and profit calculations
8	Theoretical	The concept of interest and simple interest calculations
9	Intermediate Exam	Midterm Exam
10	Theoretical	Simple interest and simple interest calculations
11	Theoretical	The concept of compound interest and calculations
12	Theoretical	The concept of compound interest and calculations
13	Theoretical	Discount concept and simple discount calculations
14	Theoretical	Compound discount calculations
15	Theoretical	Annuity Calculations
16	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	8	4	0	32
Midterm Examination	1	5	1	6

Final Examination	1	5	1	6
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To make ratio and proportion calculations
2	Percentage, cost, profit, loss calculations
3	Making interest calculations
4	Making discount calculations
5	Ability to make annuity calculations

Programme Outcomes *(Business Administration Management)*

1	To be able to use the theoretical knowledge in business management in working life
2	Having the ability to use the management functions of the business and following new management techniques
3	To be able to fulfill the legal responsibilities of the operator, to have the knowledge and equipment to follow and implement the relevant legislation
4	To be able to use the information and communication technologies at the level required by the field, to adapt the new technologies to the operating systems by following the technological changes
5	To identify, analyze and bring solutions to problems encountered in professional practice
6	Managing business financing; bringing a solution to the financial problems by making the financial analysis of the business
7	Gaining the ability to manage the business by ensuring that the human resources operate and develop efficiently in line with business objectives
8	To be able to comprehend the basic functions of production and marketing as a whole and to be able to apply new production and marketing techniques
9	To be able to perform cost calculations in enterprises, to hold accounting records, to prepare financial statements and to be able to interpret
10	Having professional ethical values ??sought in the qualified personnel required by the market, and able to use Turkish language effectively in written and oral communication; To be able to have professional foreign language knowledge that can make international correspondences related to the field
11	Having analytical analysis, interpretation, evaluation and solution skills of field related information
12	To be able to follow and apply current and economic developments in national and international framework related to his / her profession

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	1	4	4	3	3
P2	1	1	1	1	1
P3	1	1	1	1	1
P4	1	1	1	1	1
P5	1	1	1	1	1
P6	4	5	5	5	5
P7	1	1	1	1	1
P8	1	1	1	1	1
P9	5	5	5	5	5
P10	1	1	1	1	1
P11	3	3	2	3	3
P12	1	1	1	1	1