

# COMMERCIAL MATHEMATICS

<b>1</b>	Course Title:	COMMERCIAL MATHEMATICS
<b>2</b>	Course Code:	OSPZ049
<b>3</b>	Type of Course:	Compulsory
<b>4</b>	Level of Course:	Short Cycle
<b>5</b>	Year of Study:	1
<b>6</b>	Semester:	1
<b>7</b>	ECTS Credits Allocated:	4.00
<b>8</b>	Theoretical (hour/week):	3.00
<b>9</b>	Practice (hour/week):	0.00
<b>10</b>	Laboratory (hour/week):	0
<b>11</b>	Prerequisites:	NOT
<b>12</b>	Language:	Turkish
<b>13</b>	Mode of Delivery:	Face to face
<b>14</b>	Course Coordinator:	Öğr.Gör.Dr. SIDIKA PARLAK
<b>15</b>	Course Lecturers:	Emel Selimoğlu,HANDAN AKSÜYEK
<b>16</b>	Contact information of the Course Coordinator:	sparlak@uludag.edu.tr
<b>17</b>	Website:	
<b>18</b>	Objective of the Course:	To solve the mathematical problems in the business life and also to interpret numerical values during the decision making process
<b>19</b>	Contribution of the Course to Professional Development:	
<b>20</b>	Learning Outcomes:	
	<b>1</b>	To be able to solve the decimal, percentage problems
	<b>2</b>	To be able to solve rate and ratio problems
	<b>3</b>	To be able to solve the cost, sales price, profit and loss problems
	<b>4</b>	To be able to solve the basic interest problems
	<b>5</b>	To be able to solve the compound interest problems
	<b>6</b>	To be able to solve the terminal interest problems
	<b>7</b>	To be able to solve the discount problems
	<b>8</b>	To be able to solve the bond changing problems
	<b>9</b>	To be able to solve the alloy problems
	<b>10</b>	To be able to solve the mixing problems
<b>21</b>	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
<b>1</b>	Decimal, percentage calculates	
<b>2</b>	Rate and ratio calculates	
<b>3</b>	Cost, sales price, profit, loss calculates	
<b>4</b>	Cost, sales price, profit, loss calculates	
<b>5</b>	Basic interest calculates	
<b>6</b>	Invest at interest calculates	

7	Repeating courses and midterm exam	
8	compound interest calculates	
9	terminal interest calculates	
10	alloy calculates	
11	mixture calculates	
12	basic discount calculates	
13	compound discount calculates	
14	Bonds exchange calculates	

22	Textbooks, References and/or Other Materials:	Sıdıka PARLAK; Ticari Matematik, Bursa, 2011, Ekin Yayınevi
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT
Midterm Exam		1	40.00
Quiz		0	0.00
Home work-project		0	0.00
Final Exam		1	60.00
Total		2	100.00
Contribution of Term (Year) Learning Activities to Success Grade			40.00
Contribution of Final Exam to Success Grade			60.00
Total			100.00
Measurement and Evaluation Techniques Used in the Course			

24	<b>ECTS / WORK LOAD TABLE</b>
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	12	3.00	36.00
Homeworks	1	1.00	1.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	14.00	14.00
Others	14	1.00	14.00
Final Exams	1	14.00	14.00
Total Work Load			121.00
Total work load/ 30 hr			4.03
ECTS Credit of the Course			4.00

25	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0

ÖK2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0

**LO: Learning Objectives    PQ: Program Qualifications**

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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