



## Kastamonu University

DADAY NAFİ AND ÜMİT ÇERİ VOCATIONAL SCHOOL  
ACCOUNTING AND TAX APPLICATIONS

MUH12113		VOCATIONAL MATHEMATICS			
Semester	Course Code	Course Name	L+P	Credit	ECTS
1	MUH12113	VOCATIONAL MATHEMATICS	2	2	2

**Language of Instruction:**

Türkçe

**Course Level:****Work Placement(s):**

No

**Department / Program:**

ACCOUNTING AND TAX APPLICATIONS

**Course Type:**

Seçmeli

**Goals:**

It is aimed students to gain qualification of implementing mathematics information and skill which is essential for his/her profession

**Teaching Methods and Techniques:**

Sets, Numbers, Algebra, Polynomials, Ratio and Proportion, probability

**Prerequisites:****Course Coordinator:****Instructors:**

Instructor Yahya SÖNMEZ

**Assistants:****Recommended Sources**

<b>Textbook</b>	:	Hüseyin TOBİ, Recep ASLAN, (2001) ÖSS Matematik, Güvender Yayınları, İzmir.
<b>Resources</b>	:	Hüseyin TOBİ, Recep ASLAN, (2001) ÖSS Matematik, Güvender Yayınları, İzmir.
<b>Documents</b>	:	
<b>Assignments</b>	:	
<b>Exams</b>	:	

**Course Category**

<b>Mathematics and Basic Sciences</b>	:	100	<b>Education</b>	:	
<b>Engineering</b>	:		<b>Science</b>	:	
<b>Engineering Design</b>	:		<b>Health</b>	:	
<b>Social Sciences</b>	:		<b>Field</b>	:	

**Course Content**

Week	Topics	Study Materials	Materials
1	Sets	Verbal Expression, Question and Answer	Course book, Reference Book and Other
2	Numbers	Verbal Expression, Question and Answer	Course book, Reference Book and Other
3	Operations about numbers	Verbal Expression, Question and Answer	Course book, Reference Book and Other
4	Modular arithmetic	Verbal Expression, Question and Answer	Course book, Reference Book and Other
5	Algebra	Verbal Expression, Question and Answer	Course book, Reference Book and Other
6	Applications with polynomials	Verbal Expression, Question and Answer	Course book, Reference Book and Other
7	Ratio and proportion	Verbal Expression, Question and Answer	Course book, Reference Book and Other
8	Applications of Ratio and proportion	Verbal Expression, Question and Answer	Course book, Reference Book and Other
9	Probability	Verbal Expression, Question and Answer	Course book, Reference Book and Other
10	Contingency statuses	Verbal Expression, Question and Answer	Course book, Reference Book and Other
11	Probability of occurrence of events	Verbal Expression, Question and Answer	Course book, Reference Book and Other
12	Application about probability	Verbal Expression, Question and Answer	Course book, Reference Book and Other

**Course Learning Outcomes****No Learning Outcomes**

C01	Applying sets and numbers procedures related to the profession
C02	Making the algebraic applications in Profession
C03	Making probability-related applications in profession

**Program Learning Outcomes****No Learning Outcome**

P12	Using packaged software
P13	Making company transactions
P11	Identifying cost elements, making cost calculations and recordings
P09	Getting information about commercial law
P10	Making business mathematical operations and calculations
P14	Taking legal transactions, making tax dept and penalty transactions
P18	Making transactions of bank accounting and recordings
P19	Analysing and commenting financial statements
P17	Making transactions of company constitution
P15	Making financial analysis and planning
P16	Distinguishing public economic activities and preparing budget
P08	Analysing macroeconomic transactions and balance evolution
P01	Making accounting transactions and recordings
P02	Making business transactions
P23	Following labour and social security operations
P21	Making stocks and shares transactions and evaluating financial devices
P22	Making accounting audit transactions
P03	Distinguishing principles of economy and making microeconomic analysis
P06	Making vocational mathematical operations
P07	Collecting statistical data, converting them into serials and evaluating their results
P05	Identifying basic law concepts, law systems and types, carrying out law operations
P04	Using Office programs
P20	Distinguishing income types in Turkish Tax System, accounting taxes and arranging proclamation

Assessment		
In-Term Studies	Quantity	Percentage
Mid-terms	1	%40
Quizzes	0	%0
Assignment	0	%0
Attendance	0	%0
Practice	0	%0
Project	0	%0
Final examination	1	%60
<b>Total</b>		<b>%100</b>

ECTS Allocated Based on Student Workload			
Activities	Quantity	Duration	Total Work Load
Course Duration	12	4	48
Hours for off-the-c.r.stud	12	2	24
Assignments	1	6	6
Presentation	0	0	0
Mid-terms	1	6	6
Practice	0	0	0
Laboratory	0	0	0
Project	0	0	0
Final examination	1	6	6
<b>Total Work Load</b>			<b>90</b>
<b>ECTS Credit of the Course</b>			<b>3</b>

Course Contribution To Program																							
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Contribution: 1: Very Slight 2:Slight 3:Moderate 4:Significant 5:Very Significant

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23
All	1	1	1	1	1	1	3	1	1	5	1	1	1	1	3	1	1	1	2	1	1	1	1