Course Syllabus

Code - Course Title	**MAT809 - Computer Operator Individual Support Mathematics I**
Course Type	III. SEMESTER
Laboratory + Practice	2+0
ECTS	**2.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	ÖĞR. GÖR. DR. EMRAH ÜNLÜER

Mode of Delivery	Face-to-Face, Individualized, and Visual/Applied Instruction
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	None
Courses Recomended	None
Recommended Resources	None
Work Placement	None
Aims of the Course	The objective of this course is to ensure that hearing-impaired Computer Operatorship students acquire basic quantitative literacy in natural numbers, integers, fractions, decimals, and ratio and proportion; and to develop their ability to process practical data, perform calculations, and solve problems specific to the field of Computer Operatorship by supporting abstract mathematical concepts with visual and concrete teaching methods.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	**LO-1**	Arithmetic operations with integers	Lecture, Problem Solving
Week - 2	**LO-1**	Problems involving integers	Lecture, Question & Answer, Problem Solving
Week - 3	**LO-2**	The concept of fractions	Lecture, Problem Solving
Week - 4	**LO-2**	The concept of fractions	Lecture, Question & Answer, Problem Solving
Week - 5	**LO-2** **LO-3**	Fraction problems	Lecture, Question & Answer, Problem Solving
Week - 6	**LO-3** **LO-4**	Decimal numbers	Lecture, Question & Answer, Problem Solving
Week - 7	**LO-3** **LO-4**	Decimal numbers	Lecture, Discussion, Problem Solving
Week - 8	**LO-4** **LO-5**	Conversions between fractions, decimals, and percentages	Lecture, Problem Solving

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 9	LO-3 LO-4 LO-5	Decimal number problems	Lecture, Discussion, Problem Solving
Week - 10	LO-4 LO-5	Percentage problems	Lecture, Discussion, Problem Solving
Week - 11	LO-6	Ratio and proportion	Lecture, Question & Answer, Problem Solving
Week - 12	LO-6	Ratio and proportion	Lecture, Question & Answer, Problem Solving
Week - 13	LO-6	Proportion problems	Lecture, Question & Answer, Problem Solving
Week - 14	LO-6	Proportion problems	Lecture, Question & Answer, Problem Solving

Learning Outcomes

#	Learning Outcome
1	Solves problems related to work and daily life by applying the rules of the four basic operations with natural and integers.
2	Explains the types of fractions and conversions between them, and solves problems requiring the four basic operations with fractions.
3	Performs basic arithmetic operations with decimal fractions and solves problems involving decimal numbers.
4	Explains the relationships between the concepts of fractions, decimals, and percentages and performs the operations to convert them into one another.
5	Explains the relationships between the concepts of fractions, decimals, and percentages and performs the operations to convert them into one another.
6	Solves problems specific to the field of Computer Operation (data entry, scaling, table organization, etc.) using ratio and proportion and basic calculation methods.

Sustainable Development Goals

✓ Quality Education ✓ Decent Work and Economic Growth ✓ Reducing Inequalities

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Software, Cloud and Blockchain ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	14	28

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0.50	14	0
Ödevler	1.00	5	5
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	6.00	1	6
Final Sınavı Hazırlığı (sınav süresi dahil)	9.00	1	9
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**2.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Homework