SYMBOLIC LOGIC II

1	Course Title:	SYMBOLIC LOGIC II	
2	Course Code:	FLS3010	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. FİKRET OSMAN	
15	Course Lecturers:	Yok	
16	Contact information of the Course Coordinator:	Doç. Dr. Fikret OSMAN fikretosman@uludag.edu.tr; Uludağ Üniversitesi Felsefe Bölümü Fen-Edebiyat Fakültesi, 16059 Görükle, Bursa - Türkiye. Tel: +90 224 2755096	
17	Website:		
18	Objective of the Course:	Aim of this course is to teach the symbolization of quantitative expressions in ordinary language, the interpretation of quantitative expressions in terms of ordinary language, how to check the quantitative expressions and how to interpret traditional logic in terms of symbolic logic.	
19	Contribution of the Course to Professional Development:	The student can teach the logic lesson.	
20	Learning Outcomes:		
		1	Learn two-dimensional notation of quantitative expressions.
		2	Learn prefix notation of quantitative expressions.
		3	Learn infix notation of quantitative expressions.
		4	Learn suffix notation of quantitative expressions.
		5	Learn interpretation of the symbolized quantitative expressions in terms of ordinary language.
		6	Test the consistency of propositions in quantificational logic.
		7	Test the equivalency of propositions in quantificational logic.
		8	Test the validity of inferences in quantificational logic.
		9	Evaluate the relation of opposition and equivalence in terms of modern logic.
		10	Evaluate of syllogisms in terms of modern logic.
21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	

1	Introduction to quantificational logic	
2	Two-dimensional notation of quantitative expressions	
3	Prefix notation of quantitative expressions	
4	Dot notation of quantitative expressions	
5	Bracket notation of quantitative expressions	
6	Suffix notation of quantitative expressions	
7	Interpretation of the symbolized quantitative expressions in terms of ordinary language	
8	Checking the consistency of propositions in quantificational logic	
9	Checking the equivalency of propositions in quantificational logic	
10	Checking the validity of inferences in quantificational logic	
11	Evaluation the relation of opposition in terms of modern logic	
12	Evaluation the relation of equivalence in terms of modern logic	
13	Evaluation of syllogisms in terms of modern logic	
14	General evaluation or comments	

22	Textbooks, References and/or Other Materials:	1. Fikret OSMAN, Notasyonlar Mantığı: Önek, İçek ve Sonek Notasyonları, Sentez Yayıncılık, 2025. 2. Fikret OSMAN, Mantığın Aritmetik Denklem Dilinin Geleneksel/Klasik Akıl Yürütme Biçimlerine Uygulanması: Frege'nin Begriffsschrift'i Bağlamında Doğrudan ve Dolaylı Çıkarımların İki Boyutlu Notasyonu, Emin Yayınları, 2023. 3. Fikret Osman, Geleneksel/Klasik Mantığın Modern/Sembolik Yorumu, 2. Baskı, Sentez Yayıncılık, 2024.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**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		The system of relative of evaluation is applied.

24	ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.50	49.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	8.00	8.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			103.00
Total work load/ 30 hr			3.17
ECTS Credit of the Course			3.00

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	4	5	0	0	0	0	0	0	0	0	0	0	5	0	0	0
ÖK2	0	5	4	0	0	0	0	0	0	0	0	0	0	3	0	0
ÖK3	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	5	0	0	0	5	0	0	0	0	0	0	0	0	5	0
ÖK5	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK6	0	5	0	0	0	0	0	4	0	0	0	0	0	0	0	0
ÖK7	0	5	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK8	0	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0
ÖK9	0	5	0	5	0	0	0	0	0	0	5	0	0	0	0	0
ÖK10	0	5	0	0	0	0	0	0	0	0	0	5	0	0	0	3

LO: Learning Objectives PQ: Program Qualifications

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