Course Syllabus

Code - Course Title	**FEL117 - Introductıon to Symbolıc Logıc**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Area Elective Courses
Course Instructor(s)	DOÇ. DR. İSKENDER TAŞDELEN

Mode of Delivery	The mode of delivery for this course is face to face.
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None
Recommended Resources	Grünberg, T. Modern Logic, METU Press, 2002
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Propositions and Arguments, Propositional Connectives, Language of Symbolic Propositional Logic	
Week - 2		Symbolization, Translation	
Week - 3		Symbolization, Translation (Continue)	
Week - 4		Truth Tables, Consistency and Validity Test by Truth Tables	
Week - 5		Introduction to Natural Deductions, Conditional Derivations	
Week - 6		Conditional and Reductio Derivations	
Week - 7		Conditional and Reductio Derivations (Continue)	
Week - 8		Derivation of Biconditional Propositions (Cont.)	
Week - 9		Mid-term	
Week - 10		Derivation of Disjunctive and Conjunctive Propositions	
Week - 11		Derivation of Disjunctive and Conjunctive Propositions (Continue)	
Week - 12		Derivation of Disjunctive and Conjunctive Propositions, Abbreviated Derivations	
Week - 13		Constructing Counter-Models	
Week - 14		DNF-CNF, Duality	

Learning Outcomes

#	Learning Outcome
1	explain and apply basic notions of symbolic logic.
2	analyze natural language arguments by means of symbolic propositional logic
3	analyse propositions and arguments in propositional logic by natural deduction method
4	explain and identify fallacies.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.