Course description

Course abbreviation:	KFI/FSM		Page:	1 / 2	
Academic Year:	2023/2024	Printed:	14.07.2025	20:43	
Department/Unit /	KFI / FSM	Academic Year	2023/2024		
Title	Formal Semantics	Type of completion	Pre-Exam	Credit	
Accredited/Credits	Yes, 2 Cred.	Type of completion			
Number of hours	Lecture 1 [Hours/Week] Tutorial 1 [Hours/Week]				
Occ/max	Status A Status B Status C	Course credit prior to	No		
Summer semester	0/- 0/-	Counted into average	NO		
Winter semester	0/- 0/-	Min. (B+C) students	5		
Timetable	Yes	Repeated registration	NO		
Language of instruction	Czech	Semester taught	Winter sem	nester	
Optional course	Yes	Internship duration	0		
Evaluation scale	S N				
No. of hours of on-premise					
Auto acc. of credit	Yes in the case of a previous evaluation 4 nebo nic.				
Periodicity	every year				
Specification periodicity					
Substituted course	None				
Preclusive courses	N/A				
Prerequisite courses	N/A				
Informally recomm	ended courses N/A				
Courses depending	on this Course N/A				

Course objectives:

The aim of the course is to present the principals of formal semantics and teach students to use the main systems of formal semantics. The principal systems of extensional, intensional as well as hyperintensional semantics will be introduced. Their importance for building the formal model theories as well as for the natural language analysis or for the construction of formal ontologies of informational systems will be stressed.

Requirements on student

Test

Content

Principals of formal semantics (denotation, truth-conditioning of meaning, compositionality). Extensional semantics (set-theoretic model theory, categorial grammar, theory of types). Intensional semantics (possible-worlds semantics, Montague grammar). Hyperintensional semantics (impossible-possible-worlds semantics, Transparent intensional logic). Dynamic semantics.

Fields of study

Studenti mají k dispozici oporu ve formě skupiny/týmu v rámci systému Microsoft Teams.

Elektronické opory v rámci projektu Logika - https://www.esf.kfi.zcu.cz/logika/

Guarantors and lecturers

• Guarantors: Mgr. Ludmila Dostálová, Ph.D. (100%)

Literature

• Basic:	Tugendhat, Ernst; Wolf, Ursula. Logicko-sémantická propedeutika. [1. vyd.]. Praha : Petr Rezek,	
• Basic:	Peregrin, Jaroslav. Úvod do teoretické sémantiky : principy formálního modelování významu. 2., aktualiz vyd. Praha : Univerzita Karlova. 2003. ISBN 80.246.0635.6	
• Recommended:	CANN, Ronnie. Formal Semantics: An Introduction. Cambridge : Cambridge University Press, 1995.	
• Recommended:	BENTHEM, Johann van - MEULEN, Alice ter (eds.). <i>Handbook of Logic and Language</i> . Oxford: Elsevier & Cambridge (Mass.). MIT Press. 1997	
• Recommended:	GAMUT, L. T. F. <i>Logic, Language and Meaning.</i> Chicago : University of Chicago Press, 1991.	
• Recommended:	Cmorej, Pavel. Úvod do logickej syntaxe a sémantiky. Praha : Triton, 2002. ISBN 80-7254-294-X.	

Time requirements

All forms of study	
Activities	Time requirements for activity [h]
Contact hours	26
Preparation for comprehensive test (10-40)	26
Total:	52

assessment methods

Knowledge - knowledge achieved by taking this course are verified by the following means:

Test

prerequisite

Knowledge - students are expected to possess the following knowledge before the course commences to finish it successfully:

Course requires no special prior knowledge and skills.

teaching methods

Knowledge - the following training methods are used to achieve the required knowledge:

Lecture

Practicum

Self-study of literature

learning outcomes

Knowledge - knowledge resulting from the course:

Students will understand the crucial systems of formal semantics. They will be able to place them into the historical as well as theoretical context of the analytic philosophy and the philosophy of language. They will acquire practical skills of using these systems.

Course is included in study programmes: