

mIKVa - Cognitive Science - (Single degree study, master II. deg., full time form)

Akademický rok: 2023/2024

Študijný odbor: 18. - Computer Science

Garant: prof. Ing. Igor Farkaš, Dr.

2IKVa-A: Block A: Obligatory Subjects

Study section / Compulsory courses					
2-IKVa-121/18	P	Introduction to Cognitive Science - Martin Takáč , Matej Fandl	1/W	2L + 1S	6kr
2-IKVa-115/18	P	Introduction to Computational Intelligence - Igor Farkaš , Kristína Malinovská	1/W	2L + 2P	6kr
2-IKVa-123/18		Introduction to Neuroscience - Ján Bakoš	1/W	3L	5kr
2-IKVa-187/18		Cognitive Science Seminar - Igor Farkaš	1/W	1L + 1S	2kr
2-IKVa-113/18	P	Cognitive Psychology - Martin Marko	1/S	2L + 2S	5kr
2-IKVa-114/18		Introduction to Philosophy of Mind - Silvia Tomašková	1/S	2L + 1S	5kr
2-IKVa-122/18		Semester Project - Kristína Malinovská , Xenia Daniela Poslon	1/S	4LP	6kr
2-IKVa-921/22		Master's Thesis Seminar - Igor Farkaš	2/S	4C	3kr

2IKVa-BV: Block B: Compensatory Subjects

Study section / Compulsory elective courses
minimálne 8 kreditov

2-IKV 105/20	P	Fundamentals of Programming - Kristína Malinovská , Matej Fandl	1/W	2L + 2P	5kr
2-IKV 102/20	P	Mathematics for Cognitive Science - Mária Lucká	1/W	2L + 2P	5kr
2-IKV 111/18		Introduction to Psychology - Martin Marko	1/W	2L + 1S	4kr
2-IKV 116/18	P	Empirical Research Methodology - Xenia Daniela Poslon	1/W	2L + 1S	4kr

Predmety sú povinné pre študentov Kognitívnej vedy, ktorí neabsolvovali kompatibilné predmety v predchádzajúcom štúdiu.

2IKVa-BC: Block C: Computational Courses

Study section / Compulsory elective courses
minimálne 10 kreditov
at least 2 courses required

2-AINa- 111/20	P	Web Technologies and Methodology - Zuzana Kubincová , Martin Homola , Ján Kľuka	1/W	2L + 2P	6kr
2-AINa- 137/20	P	Artificial Intelligence - Mária Markošová	1/S	2L + 2P	6kr
2-IKV 267/18		Mathematical Logic for Cognitive Science - Pavol Zlatoš	1/S	2L + 1P	5kr
2-IKV 136/18	P	Computational Cognitive Neuroscience - Ľubica Beňušková , Kristína Malinovská	1/S	2L + 2S	6kr
2-IKV 138/18		Introduction to Robotics - Andrej Lúčny , Igor Farkaš	1/S	1L + 2P	5kr

2IKVa-BD: Block D: Behavioral and Neuroscience Courses

Study section / Compulsory elective courses minimálne 5 kreditov at least 1 course required					
2-IKVa-141/18	!	Current Trends in Cognitive Psychology - Tomáš Gál	1/S	2L + 1S	5kr
2-IKVa-137/18	P!	Modern Methods in Brain Research - Barbora Cimrová	1/S	2L + 1S	5kr
2-IKVa-192/19		Science, Technology and Humanity: Opportunities and Risks - Martin Takáč , Tomáš Gál	1/S	3S	5kr
2-IKVa-184/19	P	Social Cognition - Xenia Daniela Poslon , Barbara Lášticová	1/S	2L + 1S	5kr

2IKVa-BE: Block E: Mobility Courses

Study section / Compulsory elective courses minimálne 30 kreditov					
2-ERAa-001/19		Mobility Project I	2/W		10kr
2-ERAa-002/19		Mobility Project II	2/W		15kr
2-ERAa-003/19		Mobility Project III	2/W		20kr
2-ERAa-004/19		New Trends in Cognitive Science	2/W		10kr

2-ERAa-005/19		Special Topic of Interest Module I	2/W		5kr
2-ERAa-006/19		Special Topic of Interest Module II	2/W		10kr
2-ERAa-010/19		Elective Mobility Course	2/W		5kr
1- povinný predmet: New Trends in Cognitive Science; určený iba pre zahraničných študentov 2 - povinne voliteľný predmet (vyberá sa jedna z troch možností projektu podľa rozsahu): Mobility project I, II, III; 3 - povinne voliteľný predmet (vyberajú sa odb. predmety na doplnenie požadovaných kreditov): Special Topic of Interest Module I, II 4 - výberový predmet (vyberá sa ľubovoľný predmet v prípade chýbajúcich kreditov)					

2IKVa-CG: Block G: Electives

Study section / Elective courses					
2-MXX-131/21	!	International Team-based Research Project - Zuzana Kubincová , Martin Homola	1/W	3C + 30sIW	5kr
2-IKV-167/00		Practical Classes in Robotics - Pavel Petrovič	1/S	2S	3kr
2-IKV-188/16		Computational Neuroscience - Ľubica Beňušková	1, 2/S	2L + 1P	5kr
2-IKV-189/16		Natural Language Processing - Marek Šuppa	1, 2/S	2L + 2P	6kr
2-IKV-190/16	!	Cognitive Science and Artificial Intelligence Seminar - Igor Farkaš	1, 2/S	2L	1kr
2-IKV-191/19		Cognitive Biology - Isabella Sarto-Jackson	1, 2/S	2L + 1S	5kr
2-IKV-194/21		Reinforcement Learning - Peter Lacko	1, 2/S	2L + 2P	5kr
2-IKV-195/23		Cognitive Anthropology - Tomáš Gál	1, 2/S	3S	5kr

2-IKV-232/19		Cognitive Semantics and Cognitive Theory of Representation - <i>Martin Takáč</i>	2/W	2L + 2S	5kr
2-IKV-236/19	!	Grounded Cognition - <i>Igor Farkaš</i>	2/W	2L + 2S	5kr
2-IKV-238/15		Philosophy of Artificial Intelligence - <i>Emil Višňovský</i>	2/W	2L + 1S	5kr
2-IKV-239/22		Deep Learning and Cognition - <i>Igor Farkaš</i>	2/W	2L + 2S	5kr

Predmety 2-IKV-232/19 Cognitive Semantics and Cognitive Theory of Representation, 2-IKV-236/19 Grounded Cognition, a 2-IKV-239/22 Cognitive Artificial Intelligence sú zaradené do jadra programu v kontexte konzorcia MEiCogSci, pretože sú povinné pre študentov z iných univerzít konzorcia počas mobility na našej univerzite. Tieto predmety teda nie sú určené pre našich študentov, ale v princípe si ich môžu zapísať.

2IKVa-SA: Block F: State Examination Subjects

State exams / Compulsory courses					
2-IKV-956/18		Cognitive Phenomena	/		2kr
2-IKV-991/18		Master's Thesis	/		20kr