

# Course descriptions

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## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KAI/2-MXX-133/23		<b>Course title:</b> Artificial Intelligence for Everyone			
<b>Educational activities:</b> <b>Type of activities:</b> training session / course <b>Number of hours:</b> <b>per week: 9 per level/semester: 1t / 117</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 6					
<b>Recommended semester:</b>					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 22					
A	B	C	D	E	FX
45,45	36,36	4,55	9,09	4,55	0,0
<b>Lecturers:</b> prof. Ing. Igor Farkaš, Dr.					
<b>Last change:</b>					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KAI/2-MXX-130/21		<b>Course title:</b> Elements of AI			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week: 25 per level/semester: 325</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Passing the online course <a href="https://course.elementsofai.com/">https://course.elementsofai.com/</a> (in English or Slovak version).					
<b>Learning outcomes:</b> The student will get acquainted with selected basic concepts of artificial intelligence and their use in solving various practical tasks.					
<b>Class syllabus:</b> 1. What is artificial intelligence: related areas, AI philosophy. 2. Troubleshooting and UI: Browsing and troubleshooting, browsing and games 3. Probability and chance, Bayes' theorem, naive Bayesian classification. 4. Machine learning: nearest neighbor classifier, regression. 5. Neural networks: basics, creation, modern techniques. 6. Consequences: on predicting the future, the effects of AI on society, summary.					
<b>Recommended literature:</b> Russell S., Norwig P. (2010). Artificial Intelligence: A Modern Approach, (3rd ed.), Prentice Hall. Available in faculty library. Marsland S. (2015). Machine Learning: An Algorithmic Perspective, (2nd ed.), CRC Press.					
<b>Languages necessary to complete the course:</b> Slovak or English					
<b>Notes:</b> The course consists of 20 numerical and 5 text-based tasks. Numerical tasks are checked automatically, text-based tasks are evaluated anonymously by students.					
<b>Past grade distribution</b> Total number of evaluated students: 95					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

**Lecturers:** doc. RNDr. Mária Markošová, PhD., prof. Ing. Igor Farkaš, Dr., doc. RNDr. Martin Takáč, PhD.

**Last change:** 22.08.2021

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KAI/2-MXX-130/21		<b>Course title:</b> Elements of AI			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week: 25 per level/semester: 325</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Passing the online course <a href="https://course.elementsofai.com/">https://course.elementsofai.com/</a> (in English or Slovak version).					
<b>Learning outcomes:</b> The student will get acquainted with selected basic concepts of artificial intelligence and their use in solving various practical tasks.					
<b>Class syllabus:</b> <ol style="list-style-type: none"> <li>1. What is artificial intelligence: related areas, AI philosophy.</li> <li>2. Troubleshooting and UI: Browsing and troubleshooting, browsing and games</li> <li>3. Probability and chance, Bayes' theorem, naive Bayesian classification.</li> <li>4. Machine learning: nearest neighbor classifier, regression.</li> <li>5. Neural networks: basics, creation, modern techniques.</li> <li>6. Consequences: on predicting the future, the effects of AI on society, summary.</li> </ol>					
<b>Recommended literature:</b> Russell S., Norwig P. (2010). Artificial Intelligence: A Modern Approach, (3rd ed.), Prentice Hall. Available in faculty library. Marsland S. (2015). Machine Learning: An Algorithmic Perspective, (2nd ed.), CRC Press.					
<b>Languages necessary to complete the course:</b> Slovak or English					
<b>Notes:</b> The course consists of 20 numerical and 5 text-based tasks. Numerical tasks are checked automatically, text-based tasks are evaluated anonymously by students.					
<b>Past grade distribution</b> Total number of evaluated students: 95					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Mária Markošová, PhD.					

**Last change:** 22.08.2021

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-233/13		<b>Course title:</b> English Conversation Course (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3., 7., 9.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> tests, presentations, essays Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Continual improvement of all language skills focused on communication/speaking, listening comprehension and writing. The emphasis is on discourse, lexicology and morphology, word-bank broadening of communicational English as well as English for specific purposes appropriate for university students. This course is a follow up of the previously taught ESP course.					
<b>Class syllabus:</b> This course's focus is to broaden spoken/communicational English for students with B2/C1 level of English knowledge.					
<b>Recommended literature:</b> Appropriate study material is supplied based on the participants' level of English by the lecturer. (Sources- The Guardian, The Herald Morning Sun. The Nine News, The West Australian, BBC News and podcasts, CNN podcasts).					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 318					
A	B	C	D	E	FX
77,36	8,81	4,4	1,26	0,94	7,23
<b>Lecturers:</b> Mgr. Aneta Barnes					

**Last change:** 11.04.2024

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-234/13		<b>Course title:</b> English Conversation Course (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 4., 8., 10.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> tests, oral presentations, essays Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Continual improvement of all language skills focused on communication/speaking, listening comprehension and writing. The emphasis is on discourse, lexicology and morphology, word-bank broadening of communicational/spoken English as well as English for specific purpose appropriate for university students. This course is a follow up of the Conversational English course 1.					
<b>Class syllabus:</b> This course's focus is to broaden spoken/communicational English for students with B2/C1 level of English knowledge( Upper-Intermediate/Lower Advanced).					
<b>Recommended literature:</b> Appropriate study material is supplied based on the participants' level of English by the lecturer. (Sources- The Guardian, The Herald Morning Sun. The Nine News, The West Australian, BBC News and podcasts, CNN podcasts).					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 201					
A	B	C	D	E	FX
82,09	8,96	2,49	1,0	0,0	5,47
<b>Lecturers:</b> Mgr. Aneta Barnes					

**Last change:** 11.04.2024

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-141/00		<b>Course title:</b> French Language (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> French language is taught at two levels: beginner and intermediate. Students opt for one of them depending on whether they wish to obtain the fundamentals of the language or wish to maintain and/or improve previous knowledge of French.					
<b>Recommended literature:</b> Capelle Guy, Menand Robert: Le Nouveau taxi 1, Hachette FLE Paris, France 2009, ISBN 978-2-01-155548 - 9					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 499					
A	B	C	D	E	FX
48,5	19,44	16,63	7,82	2,0	5,61
<b>Lecturers:</b> Mgr. Ľubomíra Kožehubová					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-142/00		<b>Course title:</b> French Language (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> The subject continues the program of French language (1) and provides courses of essential and intermediate French language.					
<b>Recommended literature:</b> Capelle Guy, Menand Robert: Le Nouveau taxi 1, Hachette FLE Paris, France 2009, ISBN 978-2-01-155548 - 9					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 307					
A	B	C	D	E	FX
45,6	22,48	16,94	8,79	2,28	3,91
<b>Lecturers:</b> Mgr. Ľubomíra Kožehubová					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-241/00		<b>Course title:</b> French Language (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 9.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> The subject provides a course of intermediate French language, covering not only general, but also technical language.					
<b>Recommended literature:</b> Capelle Guy, Menand Robert: Le Nouveau taxi 1, Hachette FLE Paris, France 2009, ISBN 978-2-01-155548 - 9					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 128					
A	B	C	D	E	FX
48,44	24,22	17,19	5,47	0,78	3,91
<b>Lecturers:</b> Mgr. Ľubomíra Kožehubová					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-242/00		<b>Course title:</b> French Language (4)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4., 10.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> The subject provides a course of intermediate French covering not only general, but also technical French language.					
<b>Recommended literature:</b> Menand Robert: Le Nouveau taxi 2, Hachette FLE, Paris, France 2009, ISBN 978-2-01-155551 - 9					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 79					
A	B	C	D	E	FX
43,04	32,91	16,46	2,53	1,27	3,8
<b>Lecturers:</b> Mgr. Ľubomíra Kožehubová					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-151/00		<b>Course title:</b> German Language (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> To master the fundamentals of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency )					
<b>Class syllabus:</b> German language is taught at three levels: beginner, intermediate and advanced. Students opt for one of them depending on whether they need to learn the fundamentals or maintain and/or improve their previous knowledge. This course's focus is to master the fundamentals of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency )					
<b>Recommended literature:</b> Appropriate study material is supplied by teacher based on the participants' level of German proficiency.					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 874					
A	B	C	D	E	FX
38,33	24,71	18,42	8,81	2,86	6,86
<b>Lecturers:</b> Mgr. Alexandra Maďarová, Mgr. Simona Dobiašová, PhD.					
<b>Last change:</b> 05.09.2025					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-152/00		<b>Course title:</b> German Language (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> To master the fundamentals of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency )					
<b>Class syllabus:</b> German language is taught at two levels: beginner and intermediate. Students opt for one of them depending on whether they wish to obtain the fundamentals of the language or wish to maintain and/or improve previous knowledge of German. This course's focus is to to master the fundamentals of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency )					
<b>Recommended literature:</b> Appropriate study material is supplied by teacher based on the participants' level of German proficiency					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 542					
A	B	C	D	E	FX
38,01	19,56	19,56	12,36	3,51	7,01
<b>Lecturers:</b> Mgr. Alexandra Maďarová, Mgr. Simona Dobiašová, PhD.					
<b>Last change:</b> 05.09.2025					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-251/00		<b>Course title:</b> German Language (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 9.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Master the basics of general language and basic professional terminology of individual fields of study (depending on the advanced level of students)					
<b>Class syllabus:</b> The course is a follow-up to the German language (1,2). The subject provides a course of intermediate or advanced German language. This course's focus is to deepen the knowledge of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency).					
<b>Recommended literature:</b> Appropriate study material is supplied by teacher based on the participants' level of German proficiency.					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 191					
A	B	C	D	E	FX
45,03	23,04	19,37	6,81	2,09	3,66
<b>Lecturers:</b> Mgr. Alexandra Maďarová, Mgr. Simona Dobiašová, PhD.					
<b>Last change:</b> 05.09.2025					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-252/00		<b>Course title:</b> German Language (4)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4., 10.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Master the basics of general language and basic professional terminology of individual fields of study (depending on the advanced level of students)					
<b>Class syllabus:</b> The course is a follow-up to the German language (1-3). It provides a course of intermediate and advanced German language. This course's focus is to deepen the knowledge of the common language and basic technical terms of particular fields of study (depending on the student's level of German proficiency).					
<b>Recommended literature:</b> Appropriate study material is supplied by teacher based on the participants' level of German proficiency.					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 104					
A	B	C	D	E	FX
44,23	22,12	14,42	10,58	3,85	4,81
<b>Lecturers:</b> Mgr. Alexandra Maďarová, Mgr. Simona Dobiašová, PhD.					
<b>Last change:</b> 05.09.2025					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFLCENAM/2- MXX-134/26	<b>Course title:</b> Innovation and Entrepreneurship in Natural and Technical Sciences
<b>Educational activities:</b> <b>Type of activities:</b> lecture / independent work <b>Number of hours:</b> <b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13 <b>Form of the course:</b> on-site learning	
<b>Type, volume, methods and workload of the student - additional information</b> 2/1 (lecture / individual work)	
<b>Number of credits:</b> 3	
<b>Recommended semester:</b> 1., 7.	
<b>Educational level:</b> I.II., II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> The condition for admission to the exam is active participation in at least 80% of the lessons. The final assessment consists of a presentation of the semester project. To successfully complete the course, it is necessary to achieve at least 50% of the overall score. Scale of assessment (preliminary/final): 0/100	
<b>Learning outcomes:</b> After completing the course, students can describe the possibilities for commercialization of scientific and technological research. They can identify market needs, assess the market potential of a technological solution, and are familiar with the terminology of entrepreneurship, technology transfer, and intellectual property protection. They understand the overall structure of a business plan and the main forms of financing for technological projects. They are familiar with the principles of communication, teamwork, and team leadership and can apply them appropriately in project work and its presentation.	
<b>Class syllabus:</b> 1. Commercialization of scientific research. 2. Fundamentals of entrepreneurship and startup terminology. 3. Identification of problems and customer needs analysis (design thinking). 4. Technology transfer. Technology Readiness Levels (TRL). 5. Intellectual property and its protection. 6. Market, customer, and market potential of a technological solution. 7. Business Model Canvas. Revenue models. 8. Sources of financing for technological projects. 9. Pitching and communication of the solution. 10. Fundamentals of management and leadership. 11. Innovation support and incubation structures at national and international levels.	

<b>Recommended literature:</b> Clark, Timothy R., et al. Business Model Generation. Wiley, 2010					
<b>Languages necessary to complete the course:</b> Slovak					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Tomáš Plecenik, PhD., Mgr. Veronika Hidaši Turiničová, PhD.					
<b>Last change:</b> 13.03.2026					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFLKDMFI+KAI/2- MXX-131/21	<b>Course title:</b> International Team-based Research Project
<b>Educational activities:</b> <b>Type of activities:</b> course / independent work <b>Number of hours:</b> <b>per week:</b> 3 <b>per level/semester:</b> 39 / 30s <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 5	
<b>Recommended semester:</b> 1., 7.	
<b>Educational level:</b> I.II., II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: active participation in research in an international student team (25%), presentation of work in a workshop (25%), scientific article (50%) Indicative evaluation scale: A 90 %, B 80 %, C 70 %, D 60 %, E 50 % Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> Students will learn in the team to agree on a common research topic, formulate research questions, determine research methods for the problem, collect and evaluate data, discuss their findings, present research results to the professional public, analyze and evaluate the scientific work of their colleagues, prepare a scientific article suitable for publication	
<b>Class syllabus:</b> - Research methodology - Design and implementation of a research project in an international group (preferably interdisciplinary) - Methods and tools for collaboration in virtual space, collaboration in science and practice - Academic writing, presentation of research results through scientific articles; objectives, content and structure of scientific articles; forms of academic publication, publication forums and evaluation of their quality - Quality assurance and feedback - peer review - Communication of results through posters or conference presentations	
<b>Recommended literature:</b> - Teachers' own electronic study materials published on the course website or in the Moodle system - Gavora, Peter a kol. 2010. Elektronická učebnica pedagogického výskumu. [online]. Bratislava : Univerzita Komenského, 2010. Dostupné na: <a href="http://www.e-metodologia.fedu.uniba.sk/">http://www.e-metodologia.fedu.uniba.sk/</a> ISBN 978-80-223-2951-4.	

- Tharenou, P., Donohue, R. and Cooper, B., 2007. Management research methods. Cambridge University Press.
- Topping, A., 2015: The Quantitative-Qualitative Continuum. In: Gerrish, K. and Lathlean, J., The Research Process in Nursing, p. 159-172
- Williamson, K. and Johanson, G. eds., 2017. Research methods: Information, systems, and contexts. Chandos Publishing.

**Languages necessary to complete the course:**

English

**Notes:**

**Past grade distribution**

Total number of evaluated students: 10

A	B	C	D	E	FX
70,0	0,0	0,0	0,0	30,0	0,0

**Lecturers:** prof. RNDr. Zuzana Kubincová, PhD., doc. RNDr. Martin Homola, PhD.

**Last change:** 22.06.2022

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KAI/2-MXX-132/23		<b>Course title:</b> Participation in Empirical Research			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 202					
A	B	C	D	E	FX
89,6	1,49	1,49	0,0	2,97	4,46
<b>Lecturers:</b> Mgr. Xenia Daniela Poslon, PhD.					
<b>Last change:</b> 06.09.2023					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KAI/2-MXX-132/23		<b>Course title:</b> Participation in Empirical Research			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 202					
A	B	C	D	E	FX
89,6	1,49	1,49	0,0	2,97	4,46
<b>Lecturers:</b> Mgr. Xenia Daniela Poslon, PhD.					
<b>Last change:</b> 06.09.2023					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFLKTV/2-MXX-110/00		<b>Course title:</b> Physical Education and Sport (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> Practicing of the students' game skills in collective sports: basketball, volleyball, football, floorball and hockey. Mastering of the basic technique of a particular sport discipline in other sports. In paddling, basic training on still and slightly flowing water. Development of coordination skills, improvement of articular mobility and cardiovascular system.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 2007					
A	B	C	D	E	FX
97,41	0,6	0,1	0,0	0,0	1,89
<b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek, PhD., Mgr. Tomáš Lovecký, Mgr. Martina Mahel'ová, PaedDr. Lucia Ondrušová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFLKTV/2-MXX-120/00		<b>Course title:</b> Physical Education and Sport (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> Practicing of offensive and defensive game combinations and playing with modified rules in collective sports such as basketball, volleyball, football, floorball, hockey. Command of elements of higher difficulty in locomotion skills (swimming - crawl stroke, breast stroke, butterfly stroke, trampoline jumping and aerobics – practicing of areobics compositions, bodybuilding – development of the main muscle groups, paddling on running water. Testing of the level of physical fitness and coordination skills.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1797					
A	B	C	D	E	FX
98,44	0,33	0,06	0,06	0,06	1,06
<b>Lecturers:</b> Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Branislav Nedbálek, PhD., PaedDr. Mikuláš Ortutay, Mgr. Júlia Raábová, PhD., Mgr. Tomáš Lovecký, Mgr. Martina Maheľová, PaedDr. Lucia Ondrušová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFLKTV/2-MXX-210/00		<b>Course title:</b> Physical Education and Sport (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 9.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> To improve offensive and defensive game combinations in collective sports. Practicing of tactical and technical elements in individual sports. Compensatory exercises to correct wrong body posture. Stretching. Competition rules in sport disciplines.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1525					
A	B	C	D	E	FX
98,36	0,39	0,07	0,0	0,07	1,11
<b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek, PhD., Mgr. Tomáš Lovecký, Mgr. Martina Maheľová, PaedDr. Lucia Ondrušová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTV/2-MXX-220/00		<b>Course title:</b> Physical Education and Sport (4)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4., 10.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> Sport training for Faculty Championships in a selected sport with modified rules. Selection of sport-talented students into teams of the Faculty Sport League, University League of Bratislava Faculties, and participation in sport events of the Faculty and University.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1267					
A	B	C	D	E	FX
98,34	0,39	0,08	0,08	0,08	1,03
<b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Branislav Nedbálek, PhD., Mgr. Júlia Raábová, PhD., Mgr. Tomáš Lovecký, Mgr. Martina Maheľová, PaedDr. Lucia Ondrušová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-161/00		<b>Course title:</b> Russian Language (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Basic communication in Russian, developing other Russian language skills - listening comprehension, reading and writing.					
<b>Class syllabus:</b> To master the fundamentals of general Russian. The language level is A1. Learning the Cyrillic (Russian) alphabet, gaining basic language competence, building up skills and confidence in dealing with unfamiliar authentic and semi-authentic texts. The subject provides a course in Russian language for beginners.					
<b>Recommended literature:</b> The textbook: : Точка Ру А1 (Ольга Долматова, Екатерина Новачац), pracovné karty Падежи 1 (Л.С. Безкоровайна, В.Е. Штыленко).					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 746					
A	B	C	D	E	FX
57,77	16,62	11,13	4,16	1,74	8,58
<b>Lecturers:</b> Viktoria Mirsalova					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-162/00		<b>Course title:</b> Russian Language (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Basic communication in Russian, developing other Russian language skills - listening comprehension, reading and writing.					
<b>Class syllabus:</b> To master the fundamentals of general Russian. Learning the Cyrillic (Russian) alphabet, gaining basic language competence, building up skills and confidence in dealing with unfamiliar authentic and semi-authentic texts. The subject continues the program of Russian language (1) and provides a course of Russian for beginners.					
<b>Recommended literature:</b> Textbook: Точка Ру А1 (Ольга Долматова, Екатерина Новачац), pracovné karty Падежи 1 (Л.С. Безкорвайная, В.Е. Штыленко).					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 435					
A	B	C	D	E	FX
63,91	16,09	8,97	3,91	0,92	6,21
<b>Lecturers:</b> Viktoria Mirsalova					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-261/00		<b>Course title:</b> Russian Language (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 9.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Basic communication in Russian, developing other Russian language skills - listening comprehension, reading and writing.					
<b>Class syllabus:</b> Learning the handwritten Russian (Russian Cursive Cyrillic), developing further language skills, gaining knowledge of Russian culture, history and way of life, pre-intermediate to intermediate grammar and vocabulary. The course "Russian for Intermediate Students" is a follow-up to "Russian for Beginners". The subject of the course is general Russian in the range appropriate to the given level.					
<b>Recommended literature:</b> Точка Ру А2 (Ольга Долматова, Екатерина Новачац) a Short Stories in Russian (Olly Richards, Alex Rowlings)					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 215					
A	B	C	D	E	FX
68,84	17,67	9,3	2,33	0,0	1,86
<b>Lecturers:</b> Viktoria Mirsalova					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJP/1-MXX-262/00		<b>Course title:</b> Russian Language (4)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4., 10.					
<b>Educational level:</b> I., I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> Learning the handwritten Russian (Russian Cursive Cyrillic), developing further language skills, gaining knowledge of Russian culture, history and way of life, pre-intermediate to intermediate grammar and vocabulary.					
<b>Class syllabus:</b> Learning the handwritten Russian (Russian Cursive Cyrillic), developing further language skills, gaining knowledge of Russian culture, history and way of life, pre-intermediate to intermediate grammar and vocabulary. The course "Russian for Intermediate Students" is a follow-up to "Russian for Beginners". The subject of the course is general Russian in the range appropriate to the given level.					
<b>Recommended literature:</b> Точка Ру А2 (Ольга Долматова, Екатерина Новачац) a Short Stories in Russian (Olly Richards, Alex Rowlings)					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 153					
A	B	C	D	E	FX
74,51	14,38	7,19	2,61	0,65	0,65
<b>Lecturers:</b> Viktoria Mirsalova					
<b>Last change:</b> 20.06.2022					
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027							
<b>University:</b> Comenius University Bratislava							
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics							
<b>Course ID:</b> FMFL.KJP/1-MXX-171/20				<b>Course title:</b> Slovak Language for Foreign Students (1)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning							
<b>Number of credits:</b> 2							
<b>Recommended semester:</b> 1., 7.							
<b>Educational level:</b> I., I.II., II., III.							
<b>Prerequisites:</b>							
<b>Course requirements:</b> tests Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0							
<b>Learning outcomes:</b> This course is aimed for foreign students to learn the fundamentals of the Slovak language with the focus on basic communication as well as all other language skills- listening comprehension, reading and writing.							
<b>Class syllabus:</b> The syllabus is targeted at the comprehension of the basics of the Slovak language for the absolute beginners (A1).							
<b>Recommended literature:</b> Krížom- Krážom Slovenčina 1, additional material to further support the covered topics.							
<b>Languages necessary to complete the course:</b>							
<b>Notes:</b>							
<b>Past grade distribution</b> Total number of evaluated students: 155							
A	ABS	B	C	D	E	FX	NEABS
40,65	21,29	7,1	4,52	0,65	1,29	21,29	3,23
<b>Lecturers:</b> Mgr. Aneta Barnes							
<b>Last change:</b> 21.06.2022							
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.							

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027							
<b>University:</b> Comenius University Bratislava							
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics							
<b>Course ID:</b> FMFL.KJP/1-MXX-172/20				<b>Course title:</b> Slovak Language for Foreign Students (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning							
<b>Number of credits:</b> 2							
<b>Recommended semester:</b> 2., 8.							
<b>Educational level:</b> I., I.II., II., III.							
<b>Prerequisites:</b>							
<b>Course requirements:</b> tests Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0							
<b>Learning outcomes:</b> This course is aimed for foreign students to learn the fundamentals of the Slovak language with the focus on basic communication as well as all other language skills- listening comprehension, reading and writing.							
<b>Class syllabus:</b> The syllabus is targeted at the comprehension of the basics of the Slovak language for the absolute beginners (A1) and this course is a follow up course to the Slovak language course 1.							
<b>Recommended literature:</b> Krížom- Krážom Slovenčina 1, additional material to further support the covered topics							
<b>Languages necessary to complete the course:</b>							
<b>Notes:</b>							
<b>Past grade distribution</b> Total number of evaluated students: 87							
A	ABS	B	C	D	E	FX	NEABS
63,22	18,39	1,15	1,15	0,0	0,0	9,2	6,9
<b>Lecturers:</b> Mgr. Aneta Barnes							
<b>Last change:</b> 21.06.2022							
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.							

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027							
<b>University:</b> Comenius University Bratislava							
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics							
<b>Course ID:</b> FMFL.KJP/1-MXX-271/20				<b>Course title:</b> Slovak Language for Foreign Students (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning							
<b>Number of credits:</b> 2							
<b>Recommended semester:</b> 3., 9.							
<b>Educational level:</b> I., I.II., II., III.							
<b>Prerequisites:</b>							
<b>Course requirements:</b> tests Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0							
<b>Learning outcomes:</b> This course is aimed for foreign students to better comprehend all the language skills important to enable correct usage of the Slovak language – listening comprehension, reading, writing and speaking.							
<b>Class syllabus:</b> The syllabus is targeted at the comprehension of all the language skills of the Slovak language , and it is a follow up course to the Slovak language course 2.							
<b>Recommended literature:</b> Krížom-Krážom Slovenčina 2, additional material to further support the covered topics.							
<b>Languages necessary to complete the course:</b>							
<b>Notes:</b>							
<b>Past grade distribution</b> Total number of evaluated students: 32							
A	ABS	B	C	D	E	FX	NEABS
59,38	3,13	18,75	3,13	3,13	0,0	12,5	0,0
<b>Lecturers:</b> Mgr. Aneta Barnes							
<b>Last change:</b> 21.06.2022							
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.							

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027							
<b>University:</b> Comenius University Bratislava							
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics							
<b>Course ID:</b> FMFL.KJP/1-MXX-272/20				<b>Course title:</b> Slovak Language for Foreign Students (4)			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning							
<b>Number of credits:</b> 2							
<b>Recommended semester:</b> 4., 10.							
<b>Educational level:</b> I., I.II., II., III.							
<b>Prerequisites:</b>							
<b>Course requirements:</b> tests Course prerequisites: <a href="https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/">https://fmph.uniba.sk/microsites/kjp/katedra-jazykovej-pripravy/poziadavky-na-udelenie-priebezneho-hodnotenia-aj1aj2aj3-ostatne-kurzy/</a> Scale of assessment (preliminary/final): 100/0							
<b>Learning outcomes:</b> This course is aimed for foreign students to better comprehend all the language skills important to enable correct usage of the Slovak language – listening comprehension, reading, writing and speaking.							
<b>Class syllabus:</b> The syllabus is targeted at the comprehension of all the language skills of the Slovak language , and it is a follow up course to the Slovak language course 3.							
<b>Recommended literature:</b> Krížom-Krážom Slovenčina 2, additional material to further support the covered topics.							
<b>Languages necessary to complete the course:</b>							
<b>Notes:</b>							
<b>Past grade distribution</b> Total number of evaluated students: 25							
A	ABS	B	C	D	E	FX	NEABS
84,0	0,0	4,0	4,0	0,0	0,0	8,0	0,0
<b>Lecturers:</b> Mgr. Aneta Barnes							
<b>Last change:</b> 21.06.2022							
<b>Approved by:</b> doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.							

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFLKTV/2-MXX-115/17		<b>Course title:</b> Sports in Natur (1)			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 7.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Grades: A 90%, B 80%, C 70%, D 60%, E 50% The condition for the award of 1 or 2 credits is the completion of a multi-day course in its full scope, or the completion of one-day courses in the scope of 4 days. Candidates can apply to the leaders of individual courses. From the presented offer of courses, you can choose the one that suits your interests, abilities and deadlines.					
<b>Learning outcomes:</b> Acquisition and development of basic motor skills and abilities in selected sports: skiing and snowboarding. Mastering the correct technique of performing individual movements, which are necessary for skiing and snowboarding.					
<b>Class syllabus:</b> The student can sign up for the outdoor sports courses offered by the department: skiing, snowboarding. The lessons in the courses are focused on the development of basic and special movement skills and mastering the techniques needed for the sports.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak					
<b>Notes:</b> KTVŠ does not rent ski equipment.					
<b>Past grade distribution</b> Total number of evaluated students: 186					
A	B	C	D	E	FX
98,92	0,0	0,0	0,0	0,0	1,08
<b>Lecturers:</b> Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Júlia Raábová, PhD., Mgr. Tomáš Lovecký					

**Last change:** 16.06.2022

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2026/2027					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFLKTV/2-MXX-116/18		<b>Course title:</b> Sports in Natur (2)			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 8.					
<b>Educational level:</b> I.II., II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Grades: A 90%, B 80%, C 70%, D 60%, E 50%. The condition for the award of 1 or 2 credits is the completion of a multi-day course in its full scope, or the completion of one-day courses in the scope of 4 days. Candidates can apply to the leaders of individual courses. From the presented offer of courses, you can choose the one that suits your interests, abilities and deadlines.					
<b>Learning outcomes:</b> Creating a positive and lasting relationship with physical activity. Acquisition and mastery of basic motor skills and abilities in outdoor sports: windsurfing, beach volleyball, water tourism - river rafting, hiking and other sports according to interest. Training and improving the technique needed for the sports.					
<b>Class syllabus:</b> The student can sign up for the outdoor sports courses offered by the department: water tourism - river rafting, windsurfing, beach volleyball, hiking and other hobby sports. The lessons in the courses are focused on the development of basic and special movement skills and, mastering the techniques needed for the sports.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b> Slovak					
<b>Notes:</b> KTVŠ will provide sports equipment.					
<b>Past grade distribution</b> Total number of evaluated students: 109					
A	B	C	D	E	FX
95,41	0,0	0,0	0,0	0,0	4,59

**Lecturers:** Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mokus, PaedDr. Mikuláš Ortutay, Mgr. Júlia Raábová, PhD., Mgr. Tomáš Lovecký

**Last change:** 16.06.2022

**Approved by:** doc. Mgr. Tomáš Vinař, PhD., prof. Mgr. Radoslav Harman, PhD.