

Course descriptions

TABLE OF CONTENTS

1. 1-FYZ-232/15	Advanced Programming.....	3
2. 1-FYZ-115/13	Algebra and Geometry (1).....	4
3. 1-OZE-343/15	Automated Measurements in Physics.....	5
4. 1-OZE-991/15	BSc Project (state exam).....	6
5. 2-FOL-116/15	Basic Electronics.....	7
6. 1-BMF-110/15	Basics of Mathematics (1).....	8
7. 1-BMF-150/15	Basics of Mathematics (2).....	9
8. 1-BMF-226/15	Basics of Mathematics (3).....	10
9. 1-BMF-261/15	Basics of Mathematics (4).....	11
10. 1-AIN-407/15	Brain and Mind.....	12
11. 1-AIN-408/15	Cognitive Laboratory.....	13
12. 2-FJF-230/00	Computer Networks.....	14
13. 1-OZE-141/10	Computer Principles and Application Software.....	15
14. 1-OZE-273/10	Dynamics of Flowing Gases.....	16
15. 1-FYZ-211/17	Electromagnetism and Optics.....	17
16. 1-MXX-233/13	English Conversation Course (1).....	18
17. 1-MXX-234/13	English Conversation Course (2).....	19
18. 1-MXX-131/00	English Language (1).....	20
19. 1-MXX-132/00	English Language (2).....	22
20. 1-MXX-231/00	English Language (3).....	23
21. 1-MXX-232/10	English Language (4).....	24
22. 1-OZE-151/15	Experimental Data Processing.....	25
23. 1-MXX-141/00	French Language (1).....	26
24. 1-MXX-142/00	French Language (2).....	27
25. 1-MXX-241/00	French Language (3).....	28
26. 1-MXX-242/00	French Language (4).....	29
27. 1-OZE-304/10	Fundamentals of Alternative Energy Sources.....	30
28. 1-OZE-373/10	Fundamentals of Dynamic Meteorology.....	31
29. 1-OZE-201/10	Fundamentals of Environmental Physics.....	32
30. 1-OZE-954/15	Fundamentals of Environmental Physics (state exam).....	33
31. 1-OZE-302/10	Fundamentals of Physics of Water.....	34
32. 1-OZE-301/10	Fundamentals of Physics of the Earth.....	35
33. 1-FYZ-212/15	Fundamentals of Programming.....	36
34. 1-OZE-610/15	Fundamentals of Radiation Physics and Protection.....	37
35. 1-OZE-142/10	Fundamentals of Environmental Physics.....	38
36. 1-OZE-272/15	Gas Discharges and their Application.....	39
37. 1-OZE-241/10	General Chemistry.....	40
38. 1-OZE-374/15	Geographical Information Systems.....	41
39. 1-MXX-151/00	German Language (1).....	42
40. 1-MXX-152/00	German Language (2).....	43
41. 1-MXX-251/00	German Language (3).....	44
42. 1-MXX-252/00	German Language (4).....	45
43. 1-MXX-491/15	Integrated Education of People with Disabilities.....	46
44. 1-OZE-303/10	Introduction to Meteorology, Climatology and Hydrology.....	47
45. 1-MXX-427/00	Introduction to Philosophy of Language.....	48
46. 1-OZE-341/10	Introduction to Physics of the Atmosphere.....	49
47. 1-MXX-403/00	Introduction to Psychology of Jean Piaget (1).....	50

48. 1-MXX-404/00	Introduction to Psychology of Jean Piaget (2).....	51
49. 1-FYZ-231/15	Introduction to Quantum Physics.....	52
50. 1-AIN-406/15	Language and Cognition.....	53
51. 1-OZE-271/10	Laser Technique.....	54
52. 1-FYZ-116/17	Mathematical Methods in Physics (1).....	55
53. 1-FYZ-117/17	Mathematical Methods in Physics (2).....	56
54. 1-BMF-113/16	Mechanic.....	57
55. 1-FYZ-520/00	Meteorological Instruments and Observation Methods.....	58
56. 1-OZE-305/15	Nuclear Energy and Its Environmental Aspects.....	59
57. 1-FYZ-601/15	Nuclear Physics.....	60
58. 1-OZE-243/10	Organic Chemistry.....	61
59. 1-MXX-425/00	Philosophical Conceptions of Meaning (1).....	62
60. 1-MXX-426/00	Philosophical Conceptions of Meaning (2).....	63
61. 1-MXX-423/00	Philosophy of L. Wittgenstein (1).....	64
62. 1-MXX-424/00	Philosophy of L. Wittgenstein (2).....	65
63. 1-OZE-342/15	Physical Analytic Methods.....	66
64. 1-OZE-275/15	Physical Aspects of a Geographical System.....	67
65. 1-MXX-110/00	Physical Education and Sport (1).....	68
66. 1-MXX-120/00	Physical Education and Sport (2).....	69
67. 1-MXX-210/00	Physical Education and Sport (3).....	70
68. 1-MXX-220/00	Physical Education and Sport (4).....	71
69. 1-MXX-310/00	Physical Education and Sport (5).....	72
70. 1-MXX-320/00	Physical Education and Sport (6).....	73
71. 1-OZE-953/15	Physics (state exam).....	74
72. 1-OZE-211/15	Practical I.....	75
73. 1-OZE-212/15	Practical II.....	76
74. 1-OZE-311/15	Practical III.....	77
75. 1-OZE-372/10	Practicum in Radiometry and Spectrometry.....	78
76. 1-OZE-910/15	Preparation of BSc Thesis.....	79
77. 1-BMF-227/15	Probability and Statistics.....	80
78. 1-MXX-421/00	Problems of Analytical Philosophy (1).....	81
79. 1-MXX-422/00	Problems of Analytical Philosophy (2).....	82
80. 1-FYZ-310/15	Quantum Theory (1).....	83
81. 1-OZE-244/15	Radiometric Measurements.....	84
82. 1-UXX-340/00	Recreation Sports in Dially Routine of Pupils and Students.....	85
83. 1-MXX-161/00	Russian Language (1).....	86
84. 1-MXX-162/00	Russian Language (2).....	87
85. 1-MXX-261/00	Russian Language (3).....	88
86. 1-MXX-262/00	Russian Language (4).....	89
87. 1-OZE-920/10	Seminar in BSc Project.....	90
88. 1-MXX-115/15	Sports in Nature (1).....	91
89. 1-MXX-115/15	Sports in Nature (1).....	92
90. 1-MXX-215/15	Sports in Nature (2).....	93
91. 1-MXX-215/15	Sports in Nature (2).....	94
92. 1-MXX-501/15	Statistics for Non-statisticians.....	95
93. 1-OZE-376/15	Synoptic Meteorology Practice (1).....	96
94. 1-MXX-428/00	Theory of Speech Acts.....	97
95. 1-BMF-351/15	Thermodynamics and Statistical Physics.....	98

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFLKEF/1-FYZ-232/15		Course title: Advanced Programming			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 14 / 28 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 84					
A	B	C	D	E	FX
57,14	9,52	9,52	2,38	7,14	14,29
Lecturers: prof. RNDr. Peter Markoš, DrSc., Mgr. Michal Ďurian, Ing. Matej Pisarčík, Mgr. Ondrej Tóth, Mgr. Dominika Melicherová					
Last change: 05.10.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAGDM/1-FYZ-115/13		Course title: Algebra and Geometry (1)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 3 / 1 per level/semester: 42 / 14 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 589					
A	B	C	D	E	FX
13,75	18,0	20,71	18,51	22,75	6,28
Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Tomáš Rusin, PhD.					
Last change: 15.01.2018					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-343/15		Course title: Automated Measurements in Physics			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 9					
A	B	C	D	E	FX
66,67	22,22	11,11	0,0	0,0	0,0
Lecturers: doc. RNDr. Mário Janda, PhD., RNDr. Imrich Morva, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KJFB/1-OZE-991/15	Course title: BSc Project
Number of credits: 8	
Educational level: I.	
State exam syllabus:	
Last change: 02.06.2015	
Approved by: doc. RNDr. Ivan Sýkora, PhD.	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KEF/2-FOL-116/15		Course title: Basic Electronics			
Educational activities: Type of activities: lecture / laboratory practicals Number of hours: per week: 3 / 3 per level/semester: 42 / 42 Form of the course: on-site learning					
Number of credits: 7					
Recommended semester: 5.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 208					
A	B	C	D	E	FX
98,08	0,0	1,92	0,0	0,0	0,0
Lecturers: doc. RNDr. František Kundracik, CSc., RNDr. Matej Klas, PhD., RNDr. Juraj Országh, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KMANM+KJFB/1-BMF-110/15		Course title: Basics of Mathematics (1)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 4 per level/semester: 56 / 56 Form of the course: on-site learning					
Number of credits: 8					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 86					
A	B	C	D	E	FX
6,98	8,14	8,14	17,44	22,09	37,21
Lecturers: doc. RNDr. Eugen Vizsus, CSc., RNDr. Radoslav Böhm, PhD., RNDr. Michal Demetrian, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KMANM+KJFB/1-BMF-150/15		Course title: Basics of Mathematics (2)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 4 per level/semester: 56 / 56 Form of the course: on-site learning					
Number of credits: 8					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 44					
A	B	C	D	E	FX
9,09	4,55	18,18	13,64	36,36	18,18
Lecturers: doc. RNDr. Eugen Vizsus, CSc., RNDr. Radoslav Böhm, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KMANM/1-BMF-226/15		Course title: Basics of Mathematics (3)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 3.					
Educational level: I.					
Prerequisites: FMFI.KMANM+KJFB/1-BMF-110/15 - Basics of Mathematics (1) and FMFI.KMANM+KJFB/1-BMF-150/15 - Basics of Mathematics (2)					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 68					
A	B	C	D	E	FX
5,88	1,47	13,24	16,18	35,29	27,94
Lecturers: RNDr. Michal Demetrian, PhD., doc. RNDr. Eugen Viszus, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KMANM/1- BMF-261/15		Course title: Basics of Mathematics (4)			
Educational activities: Type of activities: lecture / practicals / independent work Number of hours: per week: 3 / 2 per level/semester: 42 / 28 / 20s Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 59					
A	B	C	D	E	FX
10,17	8,47	8,47	25,42	23,73	23,73
Lecturers: doc. RNDr. Eugen Vizsus, CSc., RNDr. Michal Demetrian, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KAI/1-AIN-407/15		Course title: Brain and Mind			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 70					
A	B	C	D	E	FX
58,57	28,57	11,43	1,43	0,0	0,0
Lecturers: doc. PhDr. Ján Rybár, PhD.					
Last change: 22.09.2017					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-AIN-408/15		Course title: Cognitive Laboratory			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 10					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PhDr. Ján Rybár, PhD.					
Last change: 22.09.2017					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/2-FJF-230/00		Course title: Computer Networks			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Computer networks architecture concepts. Network protocols. ISO/OSI model. Physical layer. Data link, MAC, LLC. Network and transport layer - address, routing, transferred information integrity. Presentation layer – connections, protocols, applications. TCP/IP implementation, address, DNS, router, internet. Computer network security (crypting, monitoring, firewall).					
Recommended literature: D.C. Naik: INTERNET standardy a protokoly. Computer Press, Praha, 1999 Š. Benyovszky: NetWare 4.1 (kap. 3-6), vyd. PLUS, Praha 1995					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 26					
A	B	C	D	E	FX
84,62	3,85	3,85	7,69	0,0	0,0
Lecturers: RNDr. Tibor Ženiš, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-141/10		Course title: Computer Principles and Application Software			
Educational activities: Type of activities: course Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 59					
A	B	C	D	E	FX
52,54	40,68	3,39	0,0	0,0	3,39
Lecturers: RNDr. Tibor Ženiš, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-273/10		Course title: Dynamics of Flowing Gases			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 22					
A	B	C	D	E	FX
59,09	27,27	13,64	0,0	0,0	0,0
Lecturers: doc. RNDr. Mário Janda, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFLKEF/1-FYZ-211/17		Course title: Electromagnetism and Optics			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 6 / 4 per level/semester: 84 / 56 Form of the course: on-site learning					
Number of credits: 11					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 107					
A	B	C	D	E	FX
19,63	12,15	15,89	18,69	24,3	9,35
Lecturers: prof. RNDr. Peter Markoš, DrSc., doc. RNDr. František Kundracik, CSc.					
Last change:					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-233/13		Course title: English Conversation Course (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3., 5.					
Educational level: I., II.					
Prerequisites:					
Course requirements: Scale of assessment (preliminary/final): 100/0					
Learning outcomes:					
Class syllabus: The content of the course is general English. The language level is B2/C1 (Upper-Intermediate/Lower Advanced).					
Recommended literature: Selection of materials from Inside Out Upper-Intermediate, Cutting Edge Upper-Intermediate, New English File Upper-Intermediate, British and American newspapers and journals Recordings: authentic and semi-authentic (source: BBC, CNN, coursebook recordings)					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 135					
A	B	C	D	E	FX
58,52	18,52	9,63	2,22	1,48	9,63
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-234/13		Course title: English Conversation Course (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4., 6.					
Educational level: I., II.					
Prerequisites:					
Course requirements: Scale of assessment (preliminary/final): 100/0					
Learning outcomes:					
Class syllabus: The course is a follow-up to the Conversation Course in English (1). The content of the course is general English. The language level is B2/C1 (Upper-Intermediate/Lower Advanced).					
Recommended literature: Selection of materials from Inside Out Upper-Intermediate, Cutting Edge Upper-Intermediate, New English File Upper-Intermediate, British and American newspapers and journals Recordings: authentic and semi-authentic (source: BBC, CNN, coursebook recordings)					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 62					
A	B	C	D	E	FX
67,74	19,35	4,84	0,0	0,0	8,06
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-131/00		Course title: English Language (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: On entering the first semester, students' knowledge of English is tested and they are divided into groups according to the results of the placement test. In the groups of pre-intermediate and intermediate students, fundamentals of technical English are taught. Advanced students take classes of technical English for their field of study: English for mathematics, for physics, for computer science, English for management and economic and financial mathematics.					
Recommended literature: Zemanová, A.: Anglický jazyk pre študentov FMFI UK. Kurz pre mierne pokročilých. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-2829-6 Erdélyi L., Gombárik P.: Anglický jazyk pre študentov FMFI UK. Aplikovaná matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3216-3 Gombárik P.: Anglický jazyk pre študentov FMFI UK. Matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3207-1 Klátiková E.: Anglický jazyk pre študentov FMFI UK. Informatika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3196-8 Alena Zemanová: Anglický jazyk pre študentov FMFI UK. Fyzika. Univerzita Komenského v Bratislave, Bratislava 2014, 92 strán, ISBN: 978-80-223-3477-8.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 4568					
A	B	C	D	E	FX
30,12	23,82	18,83	13,05	8,08	6,11
Lecturers: PhDr. Elena Klátiková, PhDr. Alena Zemanová, Mgr. Ing. Jana Kočvarová, Ing. Eva Vartíková, Mgr. Alexandra Maďarová, Mgr. Renáta Čárska, Mgr. Ľubomíra Kožehubová					

Last change: 02.06.2015
Approved by: doc. RNDr. Ivan Sýkora, PhD.

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-132/00		Course title: English Language (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: This is a continuation of the course English (1) designed for pre-intermediate students. Fundamental vocabulary is presented through selected topics in mathematics, physics and informatics. The lessons also contain revision of elementary grammar. Generally, it is a necessary preliminary to advanced programs.					
Recommended literature: Zemanová, A.: Anglický jazyk pre študentov FMFI UK. Kurz pre mierne pokročilých. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-2829-6					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1350					
A	B	C	D	E	FX
18,74	21,19	25,93	17,11	11,26	5,78
Lecturers: PhDr. Elena Klátiková, PhDr. Alena Zemanová, Mgr. Ing. Jana Kočvarová, Ing. Eva Vartíková, Mgr. Alexandra Maďarová, Mgr. Renáta Čárska, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-231/00		Course title: English Language (3)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject continues the program of English (2). Students take classes of special English for their field of study: English for mathematics, English for physics, English for computer science, English for management and economic and financial mathematics. The subject requires advanced knowledge of general English.					
Recommended literature: Erdélyi L., Gombárik P.: Anglický jazyk pre študentov FMFI UK. Aplikovaná matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3216-3 Gombárik P.: Anglický jazyk pre študentov FMFI UK. Matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3207-1 Klátiková E.: Anglický jazyk pre študentov FMFI UK. Informatika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3196-8 Alena Zemanová: Anglický jazyk pre študentov FMFI UK. Fyzika. Univerzita Komenského v Bratislave, Bratislava 2014, 92 strán, ISBN: 978-80-223-3477-8.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1134					
A	B	C	D	E	FX
16,67	19,4	22,75	17,55	18,52	5,11
Lecturers: PhDr. Elena Klátiková, PhDr. Alena Zemanová, Mgr. Ing. Jana Kočvarová, Ing. Eva Vartíková, Mgr. Alexandra Maďarová, Mgr. Renáta Čárska, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-232/10		Course title: English Language (4)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Students take classes of special English for their field of study: English for mathematics, English for physics, English for computer science, English for management and economic and financial mathematics.					
Recommended literature: Erdélyi L., Gombárik P.: Anglický jazyk pre študentov FMFI UK. Aplikovaná matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3216-3 Gombárik P.: Anglický jazyk pre študentov FMFI UK. Matematika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3207-1 Klátiková E.: Anglický jazyk pre študentov FMFI UK. Informatika. Univerzita Komenského v Bratislave, Bratislava 2012, ISBN 978-80-223-3196-8 Alena Zemanová: Anglický jazyk pre študentov FMFI UK. Fyzika. Univerzita Komenského v Bratislave, Bratislava 2014, 92 strán, ISBN: 978-80-223-3477-8.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 2248					
A	B	C	D	E	FX
28,43	28,51	20,95	10,9	5,83	5,38
Lecturers: Mgr. Ing. Jana Kočvarová, Mgr. Alexandra Maďarová, Ing. Eva Vartíková, PhDr. Alena Zemanová, PhDr. Elena Klátiková, Mgr. Renáta Čárska, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-151/15		Course title: Experimental Data Processing			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 15					
A	B	C	D	E	FX
20,0	20,0	13,33	40,0	0,0	6,67
Lecturers: doc. RNDr. Ivan Sýkora, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJP/1-MXX-141/00		Course title: French Language (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: 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.					
Recommended literature: Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 374					
A	B	C	D	E	FX
39,84	22,19	21,66	10,16	2,14	4,01
Lecturers: Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJP/1-MXX-142/00		Course title: French Language (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject continues the program of French language (1) and provides courses of essential and intermediate French language.					
Recommended literature: Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2 Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983 Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 237					
A	B	C	D	E	FX
34,18	27,85	21,52	11,39	2,53	2,53
Lecturers: Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-241/00		Course title: French Language (3)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject provides a course of intermediate French language, covering not only general, but also technical language.					
Recommended literature: Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2 Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983 Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 93					
A	B	C	D	E	FX
33,33	30,11	23,66	7,53	1,08	4,3
Lecturers: Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-242/00		Course title: French Language (4)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject provides a course of intermediate French covering not only general, but also technical French language.					
Recommended literature: Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2 Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983 Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008 Zarha Lahmidi: Sciences-techniques.com, ISBN 209-0331186-0, CLE international, 2005					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 63					
A	B	C	D	E	FX
31,75	38,1	20,63	3,17	1,59	4,76
Lecturers: Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-304/10		Course title: Fundamentals of Alternative Energy Sources			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 43					
A	B	C	D	E	FX
88,37	11,63	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Marcela Morvová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-373/10		Course title: Fundamentals of Dynamic Meteorology			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Martin Gera, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-OZE-201/10		Course title: Fundamentals of Environmental Physics			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 35					
A	B	C	D	E	FX
37,14	17,14	11,43	17,14	17,14	0,0
Lecturers: doc. RNDr. Ivan Sýkora, PhD., RNDr. Radoslav Böhm, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KJFB/1-OZE-954/15	Course title: Fundamentals of Environmental Physics
Number of credits: 2	
Educational level: I.	
State exam syllabus:	
Last change: 02.06.2015	
Approved by: doc. RNDr. Ivan Sýkora, PhD.	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-302/10		Course title: Fundamentals of Physics of Water			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 35					
A	B	C	D	E	FX
31,43	22,86	22,86	17,14	5,71	0,0
Lecturers: doc. RNDr. Marcela Morvová, PhD., doc. RNDr. Zdenko Machala, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-301/10		Course title: Fundamentals of Physics of the Earth			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 24					
A	B	C	D	E	FX
54,17	25,0	4,17	4,17	12,5	0,0
Lecturers: doc. RNDr. Sebastián Ševčík, CSc., prof. RNDr. Peter Moczo, DrSc., RNDr. Adriana Ondrášková, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KEF/1-FYZ-212/15		Course title: Fundamentals of Programming			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 96					
A	B	C	D	E	FX
69,79	3,13	7,29	8,33	11,46	0,0
Lecturers: doc. RNDr. František Kundracik, CSc., RNDr. Peter Papp, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-610/15		Course title: Fundamentals of Radiation Physics and Protection			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 19					
A	B	C	D	E	FX
73,68	10,53	10,53	5,26	0,0	0,0
Lecturers: doc. RNDr. Karol Holý, CSc., RNDr. Monika Müllerová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-142/10		Course title: Fundametals of Environmental Physics			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 135					
A	B	C	D	E	FX
85,93	11,85	2,22	0,0	0,0	0,0
Lecturers: doc. RNDr. Marcela Morvová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-272/15		Course title: Gas Discharges and their Application			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KAFZM/1-OZE-272/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 33					
A	B	C	D	E	FX
63,64	21,21	3,03	9,09	3,03	0,0
Lecturers: RNDr. Imrich Morva, PhD., doc. RNDr. Marcela Morvová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-241/10		Course title: General Chemistry			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 88					
A	B	C	D	E	FX
40,91	42,05	5,68	1,14	1,14	9,09
Lecturers: prof. Ing. Pavel Mach, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-374/15		Course title: Geographical Information Systems			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KAFZM/1-OZE-374/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 4					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Milan Lapin, CSc., RNDr. Martin Kremler, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-151/00		Course title: German Language (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: 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.					
Recommended literature: Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 648					
A	B	C	D	E	FX
31,94	29,17	21,3	10,03	2,93	4,63
Lecturers: Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-152/00		Course title: German Language (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The course continues the program of German language (1). German language is taught at three levels: beginner, intermediate, advanced.					
Recommended literature: Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 408					
A	B	C	D	E	FX
29,17	22,06	23,77	14,95	3,68	6,37
Lecturers: Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-251/00		Course title: German Language (3)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject continues the program of German language (2). It provides a course of intermediate and advanced German language.					
Recommended literature: Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe. Aus moderner Technik und Naturwissenschaft, 1999, Max Hueber Verlag, D-85737, ISBN 3-19-001629-1					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 148					
A	B	C	D	E	FX
38,51	27,03	22,3	6,76	2,7	2,7
Lecturers: Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-252/00		Course title: German Language (4)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject continues the program of German language (3). It provides a course of intermediate and advanced German language.					
Recommended literature: Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe. Vilma Václavíková: Nemčina pre študentov MFF UK, Vysokoškolský učebný text pre potrebu študentov KJP, č. 9793/1982 C VIII/2, 1983					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 78					
A	B	C	D	E	FX
35,9	28,21	14,1	12,82	3,85	5,13
Lecturers: Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-491/15		Course title: Integrated Education of People with Disabilities			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 24					
A	B	C	D	E	FX
95,83	4,17	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Elena Mendelová, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-303/10		Course title: Introduction to Meteorology, Climatology and Hydrology			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 28					
A	B	C	D	E	FX
46,43	25,0	17,86	10,71	0,0	0,0
Lecturers: prof. RNDr. Milan Lapin, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-427/00		Course title: Introduction to Philosophy of Language			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Frege's "semantic triangle"; Russell's theory of descriptions; relation between language and "world" (Wittgenstein's "Tractatus logico-philosophicus"); critics of traditional philosophy and its "pseudo-problems"; natural (ordinary) language and artificial languages; two approaches to ordinary language; Quine's critics of dogmas of empiricism; expression meaning as an object (entity) and expression meaning as its use; language games (Wittgenstein's "Philosophical Investigations"), rules and rule following; understanding - role of community and role of form of life; Oxonian school of linguistic analysis (P. F. Strawson, J. L. Austin, H. P. Grice)					
Recommended literature: Frege, G.: "O zmysle a denotáte.", In: Filozofia, roč. 47, 1992, č. 6. Russell, B.: "Opisy.", In: Organon F, 1995, č. 2 Peregrin, J.: Kapitoly z analytické filosofie, Filozofia, Praha 2005. Filozofia prirodzeného jazyka, Archa, Bratislava 1992					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 19					
A	B	C	D	E	FX
84,21	10,53	5,26	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KAFZM/1-OZE-341/10		Course title: Introduction to Physics of the Atmosphere			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 10					
A	B	C	D	E	FX
20,0	40,0	20,0	20,0	0,0	0,0
Lecturers: prof. RNDr. Milan Lapin, CSc., doc. RNDr. Martin Gera, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-403/00		Course title: Introduction to Psychology of Jean Piaget (1)			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Piaget's theory of cognitive development - the sensorimotor stage - the preoperational stage - the concrete operational stage - the formal operational stage					
Recommended literature: J. Piaget, B. Inhelderová: Psychológia dieťaťa. Bratislava: Sofa 1997. H. E. Gruber, J. J. Voneche, Eds.: Essential Piaget. London: 1995. CD ROM Piaget, Piaget's videos (Geneva University)					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PhDr. Ján Rybár, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-404/00		Course title: Introduction to Psychology of Jean Piaget (2)			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: 1. Constructivist models (Piaget). 2. Associationist models (Behaviorism). 3. Sociocognitive models (Vygotsky). 4. Nativist models (Chomsky and Fodor).					
Recommended literature: K. Richardson: Models of Cognitive Development. London: Psychology Press 2003.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PhDr. Ján Rybár, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB+KEF/1-FYZ-231/15		Course title: Introduction to Quantum Physics			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 7					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 32					
A	B	C	D	E	FX
31,25	18,75	21,88	12,5	15,63	0,0
Lecturers: prof. RNDr. Miroslav Grajcar, DrSc., prof. RNDr. Jozef Masarik, DrSc., prof. RNDr. Peter Markoš, DrSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-AIN-406/15		Course title: Language and Cognition			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 30					
A	B	C	D	E	FX
30,0	46,67	20,0	3,33	0,0	0,0
Lecturers: doc. PhDr. Ján Rybár, PhD.					
Last change: 22.09.2017					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFLKEF/1-OZE-271/10		Course title: Laser Technique			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 14					
A	B	C	D	E	FX
92,86	0,0	7,14	0,0	0,0	0,0
Lecturers: RNDr. Pavel Vojtek, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-FYZ-116/17		Course title: Mathematical Methods in Physics (1)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KJFB/1-FYZ-116/15					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 565					
A	B	C	D	E	FX
34,34	14,69	18,05	13,45	15,22	4,25
Lecturers: RNDr. Radoslav Böhm, PhD., doc. RNDr. Vladimír Černý, CSc.					
Last change:					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-FYZ-117/17		Course title: Mathematical Methods in Physics (2)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KJFB/1-FYZ-117/15					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 127					
A	B	C	D	E	FX
26,77	10,24	14,96	20,47	23,62	3,94
Lecturers: RNDr. Radoslav Böhm, PhD., doc. RNDr. Vladimír Černý, CSc.					
Last change:					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-BMF-113/16		Course title: Mechanic			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 7					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 281					
A	B	C	D	E	FX
17,08	15,3	14,23	10,32	19,57	23,49
Lecturers: RNDr. Radoslav Böhm, PhD.					
Last change:					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-FYZ-520/00		Course title: Meteorological Instruments and Observation Methods			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester:					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Instruments for temperature, humidity and air pressure measurements. Measurements of wind direction and velocity, radiation instruments, measurements of evaporation, sunshine duration, precipitation and cooling. Meteors, hydrometeors, lithometeors, photometeors, electrometeors. Observation of clouds, cloudiness and fogs. Historical development of meteorological measurements and observation. Work of meteorological observer at station. Evaluation of meteorological instruments records.					
Recommended literature: Slabá, N.: Manual for observer of meteorological stations of ČSSR (in Slovak). Hydrometeorological Institute Bratislava, Bratislava, 1976, 276 p. Gorodeckij, O. A., Guraľnik, I. I., Larin, V. V.: Meteorology, methods and theoretical means of observation. Gidrometeoizdat, Leningrad, 1984, 328 p.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 94					
A	B	C	D	E	FX
79,79	8,51	3,19	0,0	1,06	7,45
Lecturers: RNDr. Ján Hrvol', CSc., RNDr. Juraj Bartok, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-OZE-305/15		Course title: Nuclear Energy and Its Environmental Aspects			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KJFB/1-OZE-305/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 28					
A	B	C	D	E	FX
50,0	10,71	21,43	7,14	10,71	0,0
Lecturers: doc. RNDr. Karol Holý, CSc., RNDr. Monika Müllerová, PhD., RNDr. Alexander Šivo, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-FYZ-601/15		Course title: Nuclear Physics			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 7					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 19					
A	B	C	D	E	FX
47,37	15,79	15,79	10,53	5,26	5,26
Lecturers: doc. Mgr. Stanislav Antalic, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-243/10		Course title: Organic Chemistry			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 15					
A	B	C	D	E	FX
60,0	20,0	20,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Ján Urban, DrSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-425/00		Course title: Philosophical Conceptions of Meaning (1)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: G. Frege on sense reference (denotation) of language expressions; Russell's theory of descriptions; solving of problems - identity sentences, existential sentences and semantic function of expression without reference; critics of theory of descriptions - P. F. Strawson and K. Donnellan. semantics of Tractatus logico-philosophicus - names and objects, sentences as pictures of facts; Alfred Tarski - semantic conception and definition of truth; R. Carnap - method of extension and intension, internal and external questions					
Recommended literature: Frege, G.: "O zmysle a denotáte.", In: Filozofia, roč. 47, 1992, č. 6. Russell, B.: "Opisy.", In: Organon F, 1995, č. 2. Carnap, R.: Meaning and Necessity, Chicago, IL: University of Chicago Press, 1947. Peregrin, J.: Význam a struktura. Oikúmené, Praha 1999. Organon F: preklady článkov Russella, Tarskeho, Donnellana a i. Denotácia, referencia a význam. Organon F, Príloha, Bratislava 2000.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 2					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-426/00		Course title: Philosophical Conceptions of Meaning (2)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: names as rigid designators in "possible worlds"; causal-historical theory of reference; semantic reductionism versus semantic holism; W. v. O. Quine - indeterminateness of translation; inscrutability of reference and ontological relativity; Quine's pragmatism; D. Davidson - radical interpretation and principle of charity; H. Putnam - meaning of "meaning", internal and external realism.					
Recommended literature: Kripke, Saul A.: Pomenovanie a nevyhnutnosť. Kalligram, Bratislava 2002 Davidson, D.: Čin, myseľ, jazyk. Archa, Bratislava 1997. Quine, W. V. O.: Od stimulu k vědě, Academia, Filosofia, Praha 2002 Quine, W. v. O.: Hledání pravdy. Herrmann a synové, Praha 1994. Peregrin, J. (edit): Obrat k jazyku: Druhé kolo. Filosofia, Praha 1998.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 2					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-423/00		Course title: Philosophy of L. Wittgenstein (1)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: analysis selected sections of Wittgenstein's main writings; influence of Frege's and of Russell's works; interpretation of Wittgenstein's Tractatus; "picture theory" of meaning - fact and Picture of fact; name and meaning of name; sentence and sentence meaning; criterion of sentence meaningfulness - tautology and contradiction, empirical sentences; boundaries of language from the standpoint of theory of meaning; "what we cannot speak about"					
Recommended literature: Wittgenstein, L.: Tractatus logico - philosophicus, Kalligram, Bratislava 2003. Wittgenstein, L.: Modrá a Hnedá kniha, Kalligram, Bratislava 2002. Wittgenstein, L.: Filosofická zkoumání, Filosofia, Praha 1998. Malcolm, N.: Ludwig Wittgenstein v spomienkach. Archa, Bratislava 1993.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 36					
A	B	C	D	E	FX
88,89	2,78	5,56	0,0	2,78	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-424/00		Course title: Philosophy of L. Wittgenstein (2)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: philosophical problem solving by arranging what we have always known (by looking into the workings of our language) - its possibility meanings of "meaning" in ordinary language; expression meaning as its use (usage, way of use); reading and interpretation of The Blue and Brown Books and of Philosophical Investigations					
Recommended literature: Wittgenstein, L.: Tractatus logico - philosophicus, Praha 1993. Wittgenstein, L.: Modrá a Hnedá kniha, Kalligram, Bratislava 2002. Wittgenstein, L.: Filosofická zkoumání, Filosofia, Praha 1998. Malcolm, N.: Ludwig Wittgenstein v spomienkach. Archa, Bratislava 1993.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 25					
A	B	C	D	E	FX
96,0	4,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-342/15		Course title: Physical Analytic Methods			
Educational activities: Type of activities: course Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KEF+KAFZM/1-OZE-342/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 12					
A	B	C	D	E	FX
75,0	16,67	8,33	0,0	0,0	0,0
Lecturers: doc. RNDr. Karol Hensel, PhD., doc. RNDr. Mário Janda, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-275/15		Course title: Physical Aspects of a Geographical System			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KAFZM/2-FMK-146/00					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 18					
A	B	C	D	E	FX
66,67	16,67	11,11	5,56	0,0	0,0
Lecturers: RNDr. Marián Melo, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KTV/1-MXX-110/00		Course title: Physical Education and Sport (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 0					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: According to the particular sport: practicing of individual game skills in sports like basketball, volleyball, soccer, floorball. Training in the individual sports like swimming, trampoline jumping, rowing and canoeing, aerobic, bodybuiding, command of fundamental technique of sports discipline. To arrange development of coordination abilities, articular mobility and cardiovascular system.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 4433					
A	B	C	D	E	FX
97,23	1,78	0,05	0,0	0,02	0,92
Lecturers: Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, PaedDr. Dana Mašlejová, doc. PhDr. Vojtech Potočný, CSc., Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 25.05.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KTV/1-MXX-120/00		Course title: Physical Education and Sport (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 0					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Practising offensive and defensive combinations and game at modified rules in collective games such as basketball, volleyball, soccer, floorball. Command of elements of higher difficulty in terms of the level of the activity abilities (crawl stroke, breast stroke, butterfly stroke, trampoline jump, aerobic compositions with steps, fitball, elastic gums, paddling on the running water.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 3794					
A	B	C	D	E	FX
97,65	1,95	0,03	0,0	0,0	0,37
Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Ondrej Podkonický, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Jana Leginusová, doc. PhDr. Vojtech Potočný, CSc., PaedDr. Mikuláš Ortutay, Mgr. Viktor Sládok, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-210/00		Course title: Physical Education and Sport (3)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: To practise game combinations, tactical - mechanical elements in basketball, volleyball, soccer, floorball, ice hockey, badminton, competition rules in the sports specialization.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 2338					
A	B	C	D	E	FX
99,19	0,43	0,0	0,0	0,0	0,38
Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-220/00		Course title: Physical Education and Sport (4)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Preparation for sport championships of the Faculty in the chosen sport at modified rules. The selection of talented students into the teams of the University and Faculty leagues and other faculty sport events.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 2080					
A	B	C	D	E	FX
99,66	0,19	0,0	0,0	0,0	0,14
Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Ladislav Mókus, Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KTV/1-MXX-310/00		Course title: Physical Education and Sport (5)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Preparation and participation of individuals and teams in the system of university sport competitions and sport events.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1535					
A	B	C	D	E	FX
99,35	0,39	0,0	0,0	0,0	0,26
Lecturers: Mgr. Tomáš Kuchár, PhD., doc. PhDr. Vojtech Potočný, CSc., Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-320/00		Course title: Physical Education and Sport (6)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Using the communication in the physical education and sport and organizing the sport championships to achieve expressive motion of the sport and health in a valuable orientation the students.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1335					
A	B	C	D	E	FX
99,55	0,22	0,07	0,0	0,0	0,15
Lecturers: PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KJFB/1-OZE-953/15	Course title: Physics
Number of credits: 2	
Educational level: I.	
State exam syllabus:	
Last change: 21.05.2018	
Approved by: doc. RNDr. Ivan Sýkora, PhD.	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFLKEF/1-OZE-211/15		Course title: Practical I			
Educational activities: Type of activities: laboratory practicals Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 3.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 589					
A	B	C	D	E	FX
80,31	11,38	6,28	0,34	1,02	0,68
Lecturers: doc. RNDr. Anna Zahoranová, PhD., Mgr. Dušan Kováčik, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KEF/1-OZE-212/15		Course title: Practical II			
Educational activities: Type of activities: laboratory practicals Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 50					
A	B	C	D	E	FX
44,0	30,0	22,0	0,0	4,0	0,0
Lecturers: doc. RNDr. Tomáš Roch, Dr., RNDr. Ján Greguš, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB+KEF/1-OZE-311/15		Course title: Practical III			
Educational activities: Type of activities: laboratory practicals Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 8					
A	B	C	D	E	FX
50,0	37,5	0,0	0,0	0,0	12,5
Lecturers: doc. RNDr. Ivan Sýkora, PhD., RNDr. Alexander Šivo, PhD., RNDr. Ján Greguš, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB/1-OZE-372/10		Course title: Practicum in Radiometry and Spectrometry			
Educational activities: Type of activities: laboratory practicals Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 3					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: RNDr. Alexander Šivo, PhD., doc. RNDr. Ivan Sýkora, PhD., RNDr. Monika Müllerová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB+KAFZM/1-OZE-910/15		Course title: Preparation of BSc Thesis			
Educational activities: Type of activities: course Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 23					
A	B	C	D	E	FX
91,3	0,0	8,7	0,0	0,0	0,0
Lecturers: doc. RNDr. Ivan Sýkora, PhD., doc. RNDr. Marcela Morvová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAMŠ/1-BMF-227/15		Course title: Probability and Statistics			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 3.					
Educational level: I.					
Prerequisites: FMFI.KMANM+KJFB/1-BMF-110/15 - Basics of Mathematics (1) and FMFI.KMANM+KJFB/1-BMF-150/15 - Basics of Mathematics (2)					
Course requirements: Continuous assessment: exam, activity in exercises Exam: written Approximate grading scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 30/70					
Learning outcomes: After completing the course students will be able to calculate the probability of random events, deal with discrete and continuous random variables, perform basic descriptive statistics to assess the basic parametric statistical tests.					
Class syllabus: Fundamentals of probability, probability distributions, random samples, introduction to hypothesis testing, one-sample t test, two-sample t test, simple linear regression, goodness of fit test.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 62					
A	B	C	D	E	FX
24,19	8,06	17,74	14,52	32,26	3,23
Lecturers: doc. Mgr. Pavol Bokes, PhD.					
Last change: 19.10.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KAI/1-MXX-421/00		Course title: Problems of Analytical Philosophy (1)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: beginnings - G. Frege, B. Russell and G. E. Moore; goals and methods of the philosophical analysis; relation between language and "world" (Tractatus logico-philosophicus); search for criteria of meaningfulness of sentences; critics of traditional philosophy and of its "pseudoproblems"; Vienna circle - the principle of verifiability and its variants; logical positivism and its limits					
Recommended literature: Frege, G.: "O zmysle a denotáte.", In: Filozofia, roč. 47, 1992, č. 6. Russell, B.: "Opisy.", In: Organon F, 1995, č. 2 Kamhal, D.(ed.): Z analytickej filozofie I., UK Bratislava 1993, textbook Peregrin, J.: Kapitoly z analytickej filozofie, Filozofia, Praha 2005. Valenta, L.: Problémy analytickej filozofie. Nakladatelství Olomouc 2003.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 35					
A	B	C	D	E	FX
91,43	5,71	2,86	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-422/00		Course title: Problems of Analytical Philosophy (2)			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: Natural (ordinary) language and artificial language; two approaches to the analysis of ordinary language; late Wittgenstein - meaning of expression and use of expression, language games; Oxonian "linguistic philosophy" (P. F. Strawson, J. L. Austin, H. P. Grice); J. Searle and elaboration of theory of speech acts; Quine's pragmatism and his critics of dogmas of empiricism; inscrutability of reference and ontological relativity; D. Davidson and his pragmatism					
Recommended literature: Filozofia prirodzeného jazyka, (ed. M. Oravcová) Bratislava, Archa 1992. Strawson, P. F.: Analýza a metafyzika. Kalligram, Bratislava 2001. Quine, W. V. O.: Od stimulu k vědě, Academia, Filosofia, Praha 2002 Davidson, D.: Subjektivita, intersubjektivita, objektivita, Praha 2004					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 9					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KTFDF/1-FYZ-310/15		Course title: Quantum Theory (1)			
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 4 / 2 per level/semester: 56 / 28 Form of the course: on-site learning					
Number of credits: 7					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KTFDF/1-FYZ-310/00					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 358					
A	B	C	D	E	FX
22,07	9,22	12,29	18,72	25,7	12,01
Lecturers: doc. RNDr. Tomáš Blažek, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-OZE-244/15		Course title: Radiometric Measurements			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 4.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 41					
A	B	C	D	E	FX
31,71	9,76	24,39	24,39	9,76	0,0
Lecturers: doc. RNDr. Ivan Sýkora, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-UXX-340/00		Course title: Recreation Sports in Dially Routine of Pupils and Students			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 5.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: To optimize the daily working programme of the students, the programmes of the sport recreational activities and time-off the students. The sport and health in a value orientation of the students. Using developed elemens in an education physical activity and sport preparation. The programmes of the sport recreational activities as a basic precondition of health strengthening, acquirement of physical capability, fitness, regaining of working energy and readiness of body to confront stress situations and dangerous factors as a basic precondition of health strengthening, acquirement of physical capability, fitness, regaining of working energy and readiness of body to confront stress situations and dangerous factors.					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 44					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PhDr. Vojtech Potočný, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJP/1-MXX-161/00		Course title: Russian Language (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject provides a course in Russian language for beginners.					
Recommended literature: The textbook has not been published. It is at students' disposal in an electronic format.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 642					
A	B	C	D	E	FX
60,9	16,2	9,66	4,83	1,71	6,7
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-162/00		Course title: Russian Language (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: The subject continues the program of Russian language (1) and provides a course of Russian for beginners.					
Recommended literature: The textbook has not been published. It is at students' disposal in an electronic format.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 389					
A	B	C	D	E	FX
65,81	16,2	9,0	3,34	1,03	4,63
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJP/1-MXX-261/00		Course title: Russian Language (3)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: 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.					
Recommended literature: The textbook has not been published. It is at students' disposal in an electronic format.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 191					
A	B	C	D	E	FX
70,68	17,28	8,38	2,62	0,0	1,05
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJP/1-MXX-262/00		Course title: Russian Language (4)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: 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.					
Recommended literature: The textbook has not been published. It is at students' disposal in an electronic format.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 130					
A	B	C	D	E	FX
73,85	13,85	7,69	3,08	0,77	0,77
Lecturers: PhDr. Elena Klátiková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KJFB+KEF/1-OZE-920/10		Course title: Seminar in BSc Project			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 22					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Karol Holý, CSc., doc. RNDr. Ivan Sýkora, PhD., prof. RNDr. Peter Kúš, DrSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-115/15		Course title: Sports in Nature (1)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 171					
A	B	C	D	E	FX
99,42	0,0	0,58	0,0	0,0	0,0
Lecturers: Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický					
Last change: 25.05.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-115/15		Course title: Sports in Nature (1)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 171					
A	B	C	D	E	FX
99,42	0,0	0,58	0,0	0,0	0,0
Lecturers: Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický					
Last change: 25.05.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-215/15		Course title: Sports in Nature (2)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 94					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický					
Last change: 25.05.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KTV/1-MXX-215/15		Course title: Sports in Nature (2)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 94					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický					
Last change: 25.05.2016					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAMŠ/1-MXX-501/15		Course title: Statistics for Non-statisticians			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester:					
Educational level: I.					
Prerequisites:					
Antirequisites: FMFI.KAMŠ/1-MXX-501/14					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 15					
A	B	C	D	E	FX
93,33	0,0	0,0	0,0	0,0	6,67
Lecturers: doc. Mgr. Ján Mačutek, PhD.					
Last change:					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAFZM/1-OZE-376/15		Course title: Synoptic Meteorology Practice (1)			
Educational activities: Type of activities: laboratory practicals Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 19					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Zuzana Rusnáková					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAI/1-MXX-428/00		Course title: Theory of Speech Acts			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus: semantics versus pragmatics; logical analysis and the analysis of language practice; speech act as a basic unit of communication; performative and constative utterances, speech acts - taxonomy and criteria; locutionary, illocutionary and perlocutionary aspects of speech acts; meaning of an expression as a way of its use and as its use (convention versus intention); meaning of expression, sentence meaning and utterer's meaning; referring as a speech act; applications of the theory of speech acts; conversational "implicatures" and maxims of conversation (H. P. Grice)					
Recommended literature: Austin, J. L.: How to do things with words, Oxford UP, 1975 (in Slovak Ako niečo robiť slovami, Kalligram, Bratislava 2004 Jak udělat něco slovy) Grice, H. P.: Studies in the way of words, Harvard UP, 1991 Searle, J. R.: Speech acts, Cambridge University Press, var. editions Wittgenstein, L.: Filozofické skúmania, Pravda, Bratislava 1979					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 42					
A	B	C	D	E	FX
73,81	11,9	2,38	4,76	7,14	0,0
Lecturers: PhDr. Dezider Kamhal, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KJFB/1-BMF-351/15		Course title: Thermodynamics and Statistical Physics			
Educational activities: Type of activities: course Number of hours: per week: 5 per level/semester: 70 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 6.					
Educational level: I.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 11					
A	B	C	D	E	FX
36,36	9,09	27,27	9,09	18,18	0,0
Lecturers: prof. RNDr. Stanislav Tokár, DrSc., RNDr. Radoslav Böhm, PhD., Mgr. Pavol Bartoš, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Ivan Sýkora, PhD.					