Course descriptions

TABLE OF CONTENTS

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/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: 162

A	B	C	D	E	FX
58,64	11,11	8,64	4,94	7,41	9,26

Lecturers: prof. RNDr. Peter Markoš, DrSc.

Last change: 05.10.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAG/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: 378

A	B	C	D	E	FX
14,02	18,25	18,25	15,87	26,46	7,14

Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Tomáš Rusin, PhD.

Last change: 15.01.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAG/1-FYZ-160/13	**Course title:** Algebra and Geometry (2)

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: 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: 252

A	B	C	D	E	FX
20,63	23,02	19,84	21,43	12,7	2,38

Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Tomáš Rusin, PhD.

Last change: 15.01.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAG/1-FYZ-216/15	**Course title:** Algebra and Geometry (3)

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: 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: 21

A	B	C	D	E	FX
23,81	47,62	23,81	4,76	0,0	0,0

Lecturers: prof. RNDr. Pavol Zlatoš, PhD.

Last change: 15.01.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAFZM/1-FYZ-421/15	**Course title:** Astronomy and Astrophysics

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: 45

A	B	C	D	E	FX
48,89	15,56	20,0	4,44	8,89	2,22

Lecturers: doc. RNDr. Juraj Tóth, PhD., RNDr. Roman Nagy, PhD., doc. RNDr. Leonard Kornoš, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB/1-FYZ-910/15	**Course title:** BSc Project (1)

Educational activities:
  Type of activities: independent work
  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: 147

A	B	C	D	E	FX
90,48	4,76	0,0	0,68	4,08	0,0

Lecturers: prof. RNDr. Jozef Masarik, DrSc.

Last change: 02.06.2015

Approved by:

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KJFB/1-FYZ-991/15	**Course title:** BSc Project (2)
Number of credits: 8	
Educational level: I.	
State exam syllabus:	
Last change: 02.06.2015	
Approved by:	

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: 92

A	B	C	D	E	FX
96,74	0,0	3,26	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:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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., 3., 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: 133

A	B	C	D	E	FX
48,87	19,55	13,53	9,77	1,5	6,77

Lecturers: RNDr. Barbora Cimrová, PhD., doc. PhDr. Ján Rybár, PhD.

Last change: 22.09.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB/1-FYZ-871/20	**Course title:** Chemical Physics

Educational activities:
  Type of activities: lecture / 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: 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: 20

A	B	C	D	E	FX
40,0	25,0	15,0	10,0	10,0	0,0

Lecturers: prof. RNDr. Ján Urban, DrSc., prof. Ing. Pavel Mach, CSc., RNDr. Peter Papp, PhD.

Last change:

Approved by:

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: 1., 3., 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: 38

A	B	C	D	E	FX
71,05	15,79	5,26	2,63	0,0	5,26

Lecturers: doc. PhDr. Ján Rybár, PhD.

Last change: 22.09.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/1-FYZ-667/15	**Course title:** Computer Simulations in Physics

Educational activities:
  Type of activities: lecture / 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.

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
43,48	30,43	17,39	8,7	0,0	0,0

Lecturers: prof. Ing. Roman Martoňák, DrSc., prof. RNDr. Peter Markoš, DrSc., doc. Mgr. Jozef Kristek, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/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: 206

A	B	C	D	E	FX
19,9	11,65	17,48	21,36	21,36	8,25

Lecturers: prof. RNDr. Peter Markoš, DrSc., doc. RNDr. František Kundracik, CSc., Mgr. Róbert Astaloš, PhD.

Last change:

Approved by:

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: 193

A	B	C	D	E	FX
65,28	13,99	7,25	2,07	1,55	9,84

Lecturers: Mgr. Aneta Barnes

Last change: 02.06.2015

Approved by:

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: 119

A	B	C	D	E	FX
73,11	15,13	4,2	1,68	0,0	5,88

Lecturers: Mgr. Aneta Barnes

Last change: 02.06.2015

Approved by:

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 mathemathics.

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: 5498

A	B	C	D	E	FX
30,25	23,85	18,66	12,7	7,57	6,98

Lecturers: Mgr. Eva Foltánová, Mgr. Ing. Jana Kočvarová, Mgr. Ľubomíra Koževhubová, Mgr. Alexandra Maďarová, PhDr. Alena Zemanová, Mgr. Aneta Barnes

Last change: 22.02.2019
Approved by:

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: 1553

A	B	C	D	E	FX
22,22	20,48	24,47	15,58	10,62	6,63

Lecturers: PhDr. Alena Zemanová, Mgr. Ing. Jana Kočvarová, Mgr. Alexandra Maďarová, Mgr. Ľubomíra Koževhubová, Mgr. Eva Foltánová, Mgr. Aneta Barnes

Last change: 02.06.2015

Approved by:

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 mathemathics.
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: 1283

A	B	C	D	E	FX
16,29	19,33	22,92	18,08	17,69	5,69

Lecturers: PhDr. Alena Zemanová, Mgr. Ing. Jana Kočvarová, Mgr. Alexandra Maďarová, Mgr. Ľubomíra Kožehubová, Mgr. Eva Foltánová, Mgr. Aneta Barnes

Last change: 02.06.2015

Approved by:

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 mathemathics.

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: 3045

A	B	C	D	E	FX
28,34	28,37	20,72	11,07	5,68	5,81

Lecturers: Mgr. Ing. Jana Kočvarová, Mgr. Alexandra Maďarová, PhDr. Alena Zemanová, Mgr. Ľubomíra Kožehubová, Mgr. Eva Foltánová, Mgr. Aneta Barnes

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-118/16	**Course title:** Exercises form Mechanics (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:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 156

A	B	C	D	E	FX
33,33	21,79	14,74	14,1	7,69	8,33

Lecturers: Mgr. Peter Maták, PhD.
Last change: 24.05.2016
Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-119/16	**Course title:** Exercises from Mechanics (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:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 123

A	B	C	D	E	FX
48,78	24,39	13,01	7,32	3,25	3,25

Lecturers: Mgr. Peter Maták, PhD.

Last change: 24.05.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB/1-FYZ-401/15	**Course title:** Fields of Physical Research

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: 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: 163

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. RNDr. Jozef Masarik, DrSc.
Last change: 02.06.2015
Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 421

A	B	C	D	E	FX
45,13	20,43	19,48	9,03	1,9	4,04

Lecturers: Mgr. Ľubomíra Ko   žehubová

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.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: 261

A	B	C	D	E	FX
38,31	25,67	19,92	10,34	2,68	3,07

Lecturers: Mgr. Ľubomíra Kožehubová

Last change: 02.06.2015

Approved by:

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: 101

A	B	C	D	E	FX
37,62	28,71	21,78	6,93	0,99	3,96

Lecturers: Mgr. Ľubomíra Kožehubová

Last change: 02.06.2015

Approved by:

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: 71

A	B	C	D	E	FX
39,44	33,8	18,31	2,82	1,41	4,23

Lecturers: Mgr. Ľubomíra Koževhubová

Last change: 02.06.2015

Approved by:

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: 182

A	B	C	D	E	FX
71,98	4,4	7,69	7,69	8,24	0,0

Lecturers: doc. RNDr. František Kundracik, CSc., RNDr. Peter Papp, PhD.

Last change: 02.06.2015

Approved by:

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: 717

A	B	C	D	E	FX
35,43	27,62	19,8	9,21	2,79	5,16

Lecturers: Mgr. Alexandra Maďarová

Last change: 02.06.2015

Approved by:

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: 468

A	B	C	D	E	FX
35,47	20,51	20,73	13,46	3,42	6,41

Lecturers: Mgr. Alexandra Maďarová

Last change: 02.06.2015

Approved by:

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: 158

A	B	C	D	E	FX
39,24	26,58	21,52	6,96	2,53	3,16

Lecturers: Mgr. Alexandra Maďarová

Last change: 02.06.2015

Approved by:

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: 86

A	B	C	D	E	FX
39,53	25,58	12,79	12,79	3,49	5,81

Lecturers: Mgr. Alexandra Maďarová

Last change: 02.06.2015

Approved by:

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: 39

A	B	C	D	E	FX
87,18	10,26	0,0	0,0	0,0	2,56

Lecturers: PaedDr. Elena Mendelová, CSc.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB/1-BMF-311/15	**Course title:** Introduction to Biophysics

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: 29

A	B	C	D	E	FX
62,07	24,14	0,0	0,0	3,45	10,34

Lecturers: prof. RNDr. Tibor Hianik, DrSc., Mgr. Zuzana Garaiová, PhD., Mgr. Veronika Šubjaková, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB/1-FYZ-804/15	**Course title:** Introduction to Optics and Lasers

Educational activities:
  Type of activities: lecture / 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.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 5

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. RNDr. Pavel Veis, CSc.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/1-FYZ-451/15	**Course title:** Introduction to Plasma Physics and Electrical Discharges

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: 6.

Educational level: I.

Prerequisites: FMFI.KEF/1-FYZ-211/17 - Electromagnetism and Optics

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 29

A	B	C	D	E	FX
48,28	34,48	10,34	6,9	0,0	0,0

Lecturers: doc. Mgr. Dušan Kováčik, PhD., Mgr. Michal Stano, PhD., doc. RNDr. Mário Janda, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 136

A	B	C	D	E	FX
29,41	16,91	19,85	16,91	12,5	4,41

Lecturers: prof. RNDr. Miroslav Grajcar, DrSc., prof. RNDr. Jozef Masarik, DrSc., prof. RNDr. Peter Markoš, DrSc.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/1-FYZ-452/18	**Course title:** Introduction to Solid State 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: 6.

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: 19

A	B	C	D	E	FX
52,63	5,26	21,05	10,53	10,53	0,0

Lecturers: doc. RNDr. Richard Hlubina, DrSc.

Last change: 10.05.2018

Approved by:

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: 2., 4., 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: 95

A	B	C	D	E	FX
28,42	27,37	20,0	14,74	3,16	6,32

Lecturers: doc. PhDr. Ján Rybár, PhD.

Last change: 22.09.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAG/1-FYZ-411/13	**Course title:** Linear Algebra Classes (1)

Educational activities:
  Type of activities: practicals
  Number of hours:
   per week: 1 **per level/semester:** 14
  Form of the course: on-site learning

Number of credits: 1

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: 143

A	B	C	D	E	FX
33,57	14,69	20,98	10,49	11,89	8,39

Lecturers: Mgr. Tomáš Rusin, PhD., prof. RNDr. Pavol Zlatoš, PhD.

Last change: 13.06.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAG/1-FYZ-412/13	**Course title:** Linear Algebra Classes (2)

Educational activities:
  Type of activities: practicals
  Number of hours:
    per week: 1 **per level/semester:** 14
  Form of the course: on-site learning

Number of credits: 1

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: 65

A	B	C	D	E	FX
60,0	12,31	9,23	4,62	10,77	3,08

Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Tomáš Rusin, PhD.

Last change: 13.06.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1- FYZ-405/13	**Course title:** Mathematical Analysis (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: 1

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: 220

A	B	C	D	E	FX
83,18	4,55	2,73	1,82	4,09	3,64

Lecturers: RNDr. Michal Pospíšil, PhD., Mgr. Mária Šubjaková

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-406/13	**Course title:** Mathematical Analysis (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: 1

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: 137

A	B	C	D	E	FX
67,15	12,41	2,92	5,84	8,03	3,65

Lecturers: RNDr. Michal Pospíšil, PhD., Mgr. Mária Šubjaková

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-407/13	**Course title:** Mathematical Analysis (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: 1

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: 165

A	B	C	D	E	FX
87,88	0,61	2,42	0,0	1,21	7,88

Lecturers: RNDr. Michal Demetrian, PhD., RNDr. Michal Pospíšil, PhD.

Last change: 18.09.2019

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-408/13	**Course title:** Mathematical Analysis (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: 1

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: 150

A	B	C	D	E	FX
79,33	4,67	4,67	3,33	1,33	6,67

Lecturers: RNDr. Michal Pospíšil, PhD., Mgr. Július Pačuta, PhD.

Last change: 01.03.2019

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB+KTF/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: 717

A	B	C	D	E	FX
30,96	14,64	17,43	14,37	16,46	6,14

Lecturers: RNDr. Radoslav Böhm, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB+KTF/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: 258

A	B	C	D	E	FX
27,52	13,57	18,99	19,77	17,05	3,1

Lecturers: RNDr. Radoslav Böhm, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-677/15	**Course title:** Mathematical 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., 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: 37

A	B	C	D	E	FX
40,54	24,32	13,51	5,41	13,51	2,7

Lecturers: doc. RNDr. Marián Fecko, PhD.

Last change: 04.10.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1- FYZ-120/17	**Course title:** Mathematics (1)

Educational activities:
  Type of activities: lecture / practicals
  Number of hours:
   per week: 5 / 3 **per level/semester:** 70 / 42
  Form of the course: on-site learning

Number of credits: 9

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: 236

A	B	C	D	E	FX
13,14	6,78	13,98	11,44	34,32	20,34

Lecturers: prof. RNDr. Ján Filo, CSc., Mgr. Zuzana Šinská, RNDr. Patrik Mihala, PhD.

Last change: 17.08.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-135/17	**Course title:** Mathematics (2)

Educational activities:
  Type of activities: lecture / practicals
  Number of hours:
   per week: 5 / 3 **per level/semester:** 70 / 42
  Form of the course: on-site learning

Number of credits: 9

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: 188

A	B	C	D	E	FX
11,7	11,7	12,23	18,62	27,13	18,62

Lecturers: prof. RNDr. Ján Filo, CSc., RNDr. Patrik Mihala, PhD., Mgr. Zuzana Šinská

Last change: 17.08.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1- FYZ-215/17	**Course title:** Mathematics (3)

Educational activities:
  Type of activities: lecture / practicals
  Number of hours:
    per week: 5 / 3 **per level/semester:** 70 / 42
  Form of the course: on-site learning

Number of credits: 8

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: 212

A	B	C	D	E	FX
4,25	4,72	9,43	11,32	38,21	32,08

Lecturers: RNDr. Michal Demetrian, PhD., RNDr. Michal Pospíšil, PhD.

Last change: 10.09.2018

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1- FYZ-225/15	**Course title:** Mathematics (4)

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: 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: 159

A	B	C	D	E	FX
8,18	6,29	10,06	16,35	42,14	16,98

Lecturers: Mgr. Július Pačuta, PhD., RNDr. Michal Pospíšil, PhD.

Last change: 09.01.2019

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-350/15	**Course title:** Mathematics (5)

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: 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: 36

A	B	C	D	E	FX
50,0	27,78	19,44	2,78	0,0	0,0

Lecturers: prof. RNDr. Milan Medveď, DrSc., RNDr. František Jaroš, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KMANM/1-FYZ-370/20	**Course title:** Mathematics (6)

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: 6.

Educational level: I.

Prerequisites: FMFI.KMANM/1-FYZ-120/17 - Mathematics (1),FMFI.KMANM/1-FYZ-135/17 - Mathematics (2),FMFI.KMANM/1-FYZ-215/17 - Mathematics (3),FMFI.KMANM/1-FYZ-225/15 - Mathematics (4)

Antirequisites: FMFI.KMANM/1-FYZ-370/15

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 6

A	B	C	D	E	FX
66,67	33,33	0,0	0,0	0,0	0,0

Lecturers: doc. RNDr. Eugen Viszus, CSc., prof. RNDr. Ján Filo, CSc., RNDr. Kristína Rostás, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KJFB+KTF/1-FYZ-111/15	**Course title:** Mechanics (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: 1.

Educational level: I.

Prerequisites:

Course requirements:
 Assesment during the semester: homeworks, written tests
 Final exam: written test and oral exam
 Approximate scale of final grades: A 90%, B 80%, C 70%, D 60%, E 50%

Learning outcomes:
 Elementary knowledge of physics methodology, understanding the role of equation of motions, ability to solve simple equations of motion, simple numerical methods which can be used if analytical solution is not possible, orientation in basic terminology of mechanics like mass, energy, momentum, moment of inertia, frequency etc.

Class syllabus:
 Physical quantities and units
 Kinematics of point-like objects, velocity, acceleration
 Vector quantities, centripetal acceleration
 Motion with constant acceleration
 Motion in constant gravitational field, projectile motion, energy conservation law
 Newton laws of mechanics
 Law of inertial movement, inertial frame of reference, uniform straight line motion
 law of force, numerical solution for ballistic curve
 Fundamentals of physics methodology, state of a system, change of state, equation of motion
 Rotation, angular velocity
 momentum of a system of point objects, conservation law
 angular momentum, conservation law
 tensor of inertia, Newton laws for simple rotational movements
 static friction, dynamic friction
 equilibrium conditions
 scalar product, work of arbitrary force
 Newton gravitation law, gravitation potential, energy conservation
 Kepler laws
 Circular motion in gravitation field

Harmonic oscillator
Hooks law for spring
Damped harmonic oscillator, resonance effect, lifetime/frequency uncertainty principle
Mathematical and physical pendulum

Recommended literature:
Halliday, Resnick, Walker: Fundamentals of physics
Feynman lectures on physics

Languages necessary to complete the course:
English

Notes:

Past grade distribution
Total number of evaluated students: 260

A	B	C	D	E	FX
15,0	11,15	9,23	7,31	18,85	38,46

Lecturers: RNDr. Radoslav Böhm, PhD., doc. RNDr. Vladimír Balek, CSc.

Last change: 11.04.2017

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJFB+KTF/1-FYZ-112/15	**Course title:** Mechanics (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: 7

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: 173

A	B	C	D	E	FX
32,37	23,12	17,92	8,09	10,98	7,51

Lecturers: RNDr. Radoslav Böhm, PhD., doc. RNDr. Vladimír Balek, CSc., Mgr. Peter Maták, PhD.

Last change: 06.10.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-413/15	**Course title:** Methods of Solving Physics Problems (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: 4.

Educational level: I.

Prerequisites:

Course requirements:
 Work during semester: homework, problem solution in the class
 Weight of the exam: 0%
 At least 85% of points is required to achieve grade A, 70% points for grade B, 60% points for grade C, 50% points for grade D and 40% points for grade E.

Learning outcomes:
 Students will learn how to solve problems from various physics competitions in a fast an effective fashion.

Class syllabus:
 Solutions of problems from various physics competitions, both independently and as a part of a team.

Recommended literature:
 Feynmanovy přednášky z fyziky s řešenými příklady 1/3 / Richard P. Feynman, Robert B. Leighton, Matthew Sands. Havlíčkův Brod : Fragment, 2001
 Feynmanovy přednášky z fyziky s řešenými příklady : 2/3 / Richard P. Feynman, Robert B. Leighton, Matthew Sands. Havlíčkův Brod : Fragment, 2006
 Úlohy predchádzajúcich ročníkov fyzikálnych súťaží.

Languages necessary to complete the course:
 Slovak, English

Notes:

Past grade distribution
 Total number of evaluated students: 59

A	B	C	D	E	FX
98,31	0,0	1,69	0,0	0,0	0,0

Lecturers: Mgr. Juraj Tekel, PhD.

Last change: 14.01.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-414/15	**Course title:** Methods of Solving Physics Problems (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: 5.

Educational level: I.

Prerequisites:

Course requirements:
 Work during semester: homework, problem solution in the class
 Weight of the exam: 0%
 At least 85% of points is required to achieve grade A, 70% points for grade B, 60% points for grade C, 50% points for grade D and 40% points for grade E.

Learning outcomes:
 Students will learn how to solve problems from various physics competitions in a fast an effective fashion.

Class syllabus:
 Solutions of problems from various physics competitions, both independently and as a part of a team.

Recommended literature:
 Feynmanovy přednášky z fyziky s řešenými příklady 1/3 / Richard P. Feynman, Robert B. Leighton, Matthew Sands. Havlíčkův Brod : Fragment, 2001
 Feynmanovy přednášky z fyziky s řešenými příklady : 2/3 / Richard P. Feynman, Robert B. Leighton, Matthew Sands. Havlíčkův Brod : Fragment, 2006
 Úlohy predchádzajúcich ročníkov fyzikálnych súťaží.

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 16

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Juraj Tekel, PhD.

Last change: 14.01.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-415/18	**Course title:** Methods of Solving Physics Problems (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: 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: 10

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Juraj Tekel, PhD.
Last change:
Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.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:
 Evaluation during the semester: midterm and endterm test with discussion, homework.
 Scale for final grades: A 90%, B 80%, C 70%, D 60%, E 50%

Learning outcomes:
 The student gains the basic understanding of the nuclear and particle physics, for example, basic properties of atomic nuclei, their radioactive decay, nuclear reactions and basic properties of elementary particles.

Class syllabus:
 Properties of atomic nuclei. Basic nuclear models, the binding energy of atomic nuclei. Stability and decay of radioactive nuclei. Radioactive decay law. Alpha and beta decay. Nuclear fission. Interaction of charged particles and their detection.
 Radioactivity in nature. Basic nuclear reactions. Production of unstable radioactive isotopes and their separation. Particle accelerator.
 Elementary particles (leptons, quarks, interactions, unification theory). Quark model, QCD.
 Basic astrophysical reactions. Nuclear fusion.

Recommended literature:
 Introductory nuclear physics / Kenneth S. Krane. Hoboken : Wiley, 1988
 Introductory nuclear physics / P. E. Hodgson, E. Gadioli, E. Gadioli Erba. Oxford : Oxford University Press, 1997
 Nuclear and particle physics / B. R. Martin. Chichester : John Wiley , 2006

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 33

A	B	C	D	E	FX
48,48	18,18	9,09	12,12	6,06	6,06

Lecturers: doc. Mgr. Stanislav Antalic, PhD.

Last change: 20.02.2020
Approved by:

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: 5337

A	B	C	D	E	FX
96,03	1,65	0,09	0,0	0,06	2,17

Lecturers: Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, PaedDr. Dana Mašlejová, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek

Last change: 25.05.2016

Approved by:

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: 4537

A	B	C	D	E	FX
97,07	1,72	0,04	0,04	0,04	1,08

Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Ondrej Podkonický, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Jana Leginusová, PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 2683

A	B	C	D	E	FX
98,66	0,52	0,07	0,0	0,0	0,75

Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.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: 2425

A	B	C	D	E	FX
98,72	0,16	0,08	0,04	0,0	0,99

Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Ladislav Mókus, Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek

Last change: 02.06.2015

Approved by:

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: 1775

A	B	C	D	E	FX
99,04	0,39	0,11	0,0	0,0	0,45

Lecturers: Mgr. Tomáš Kuchár, PhD., Mgr. Ladislav Mókus, Mgr. Jana Leginusová, PaedDr. Dana
Mašlejová, PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr.
Branislav Nedbálek

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 1545

A	B	C	D	E	FX
99,03	0,26	0,13	0,0	0,0	0,58

Lecturers: PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek

Last change: 02.06.2015

Approved by:

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KJFB/1-FYZ-951/15	**Course title:** Physics
Number of credits: 4	
Educational level: I.	
State exam syllabus:	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAFZM/1-FYZ-477/19	**Course title:** Physics of the Planet Earth

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: FMFI.KJFB+KTF/1-FYZ-111/15 - Mechanics (1),FMFI.KJFB+KTF/1-FYZ-112/15 - Mechanics (2)

Antirequisites: FMFI.KAFZM+KAMŠ/1-FYZ-476/15

Course requirements:
 Continuous assessment based on discussions.
 Scale of assessment (preliminary/final): 100/0

Learning outcomes:

Class syllabus:
 1. How the Earth originated and what is its internal structure.
 2. Tides and dynamics of Earth-Moon coexistence.
 3. Seismic waves and the most precise physical model of the Earth.
 4. Why has the Earth its magnetic field? What will be the magnetic field in future like?
 5. Electric currents in the Earth and its surroundings. Electromagnetic sounding of the Earth.
 6. Measurements of physical parameters - from archeologic findings to the deep Earth's interior.
 7. Excursion
 8. Earthquakes, tsunami and seismic hazard.
 9. Earthquakes induced by human activity and the increase of seismic hazard.
 10. Aurora, ionosphere and magnetosphere of the Earth and planets.
 11. Electromagnetic rezonances in the Earth's atmosphere.
 12. Sources of heat and heat flux in the Earth. Is the Earth going to overheat or is it growing cold?

Recommended literature:
 Lectures.

Languages necessary to complete the course:
 Slovak

Notes:

Past grade distribution					
Total number of evaluated students: 10					
A	B	C	D	E	FX
50,0	10,0	10,0	20,0	0,0	10,0

Lecturers: prof. RNDr. Peter Moczo, DrSc., RNDr. Adriena Ondrášková, PhD., doc. RNDr. Sebastián Ševčík, CSc., doc. Mgr. Jozef Kristek, PhD.

Last change: 11.09.2019

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/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: 161

A	B	C	D	E	FX
60,25	19,88	13,04	3,11	1,24	2,48

Lecturers: doc. RNDr. Anna Zahoranová, PhD., doc. Mgr. Dušan Kováčik, PhD.

Last change: 02.06.2015

Approved by:

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: 184

A	B	C	D	E	FX
42,93	36,96	16,85	2,17	1,09	0,0

Lecturers: doc. RNDr. Tomáš Roch, RNDr. Ján Greguš, PhD.

Last change: 02.06.2015

Approved by:

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: 33

A	B	C	D	E	FX
63,64	18,18	6,06	0,0	0,0	12,12

Lecturers: doc. RNDr. Ivan Sýkora, PhD., RNDr. Ján Greguš, PhD., RNDr. Miroslav Ješkovský, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KEF/1-FYZ-805/15	**Course title:** Quantum Optics, Nanoelectronics and Informatics

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: 6.

Educational level: I.

Prerequisites: FMFI.KTF/1-FYZ-310/15 - Quantum Theory (1)

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: prof. RNDr. Miroslav Grajcar, DrSc.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/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:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 196

A	B	C	D	E	FX
17,35	7,14	13,27	23,47	26,53	12,24

Lecturers: doc. RNDr. Tomáš Blažek, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-365/15	**Course title:** Quantum Theory (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: 7

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: 37

A	B	C	D	E	FX
45,95	13,51	16,22	5,41	5,41	13,51

Lecturers: doc. RNDr. Tomáš Blažek, PhD., Mgr. Zuzana Kučerová, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTV/1-UXX-340/00	**Course title:** Recreation Sports in Dialy 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: Mgr. Tomáš Kuchár, PhD.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 685

A	B	C	D	E	FX
58,98	16,35	10,51	4,53	1,9	7,74

Lecturers: Viktoria Mirsalova

Last change: 02.06.2015

Approved by:

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: 414

A	B	C	D	E	FX
65,94	15,22	8,7	3,86	0,97	5,31

Lecturers: Viktoria Mirsalova

Last change: 02.06.2015

Approved by:

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: 197

A	B	C	D	E	FX
70,05	17,77	8,63	2,54	0,0	1,02

Lecturers: Viktoria Mirsalova

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 142

A	B	C	D	E	FX
75,35	13,38	7,04	2,82	0,7	0,7

Lecturers: Viktoria Mirsalova

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: FMFI.KAI/2-IKVa-192/19	Course title: Science, Technology and Humanity: Opportunities and Risks

Educational activities:
 Type of activities: seminar
 Number of hours:
  per week: 3 per level/semester: 42
 Form of the course: on-site learning

Number of credits: 5

Recommended semester: 2.

Educational level: I., II.

Prerequisites:

Course requirements:
 Semestral evaluation: active participation
 Final evaluation: essay
 Weight of the final evaluation: 60%
 To achieve an A, 90% is needed, for B at least 80%, for C 70%, for D, 60% and for an E, at least 50% of overall assessment.

Learning outcomes:
 The students will gain awareness of the contemporary and potential future challenges posed by scientific and technological innovations and their impact on human behaviour, culture and society.

Class syllabus:
 Big data: privacy, politics and power,
 Internet of things, it usefulness and threats,
 Assistant AI and its place in future society,
 Job market and inequality,
 Enhancements and human rights and the right to change self and others,
 Initiatives for responsible research,
 Artificial minds,
 Hybridization between species and between AI and organic minds,
 Future of minds and trans-humanism,
 Artificial emotional intelligence,
 An after human era.

Recommended literature:
 - S. Russell: Human compatible. Artificial intelligence and the problem of control. Viking, 2019.
 - J. Havens: Heartificial intelligence. Embracing our humanity to maximize machines. Penguin, 2016.
 - P. Boddington: Towards a code of ethics for artificial intelligence. Springer, 2017.
 - M. Shanahan: The technological singularity. MIT Press, 2015.
 - C. MacKellar, C.: Cyborg Mind: What Brain–Computer and Mind–Cyberspace Interfaces Mean for Cyberneuroethics. Berghahn Books, 2019.

- G. Bel, J. Gemmell: Total Recall, How the e-Memory Revolution will change everything. Dutton, 2009.
- S. Zuboff: The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power. PublicAffairs, 2019.
- C. O'Neil: Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy. Crown Publishers, 2016.
- M. Tegmark: Life 3.0. Allen Lane, 2017.

Languages necessary to complete the course:
English

Notes:

Past grade distribution
Total number of evaluated students: 34

A	B	C	D	E	FX
52,94	17,65	2,94	8,82	8,82	8,82

Lecturers: doc. RNDr. Martin Takáč, PhD., PhDr. Ing. Tomáš Gál, PhD.

Last change: 28.02.2020

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-171/20	**Course title:** Slovak Language for Foreign Students (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:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 18

A	B	C	D	E	FX
50,0	0,0	0,0	0,0	0,0	50,0

Lecturers: Mgr. Aneta Barnes

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-172/20	**Course title:** Slovak Language for Foreign Students (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:
Recommended literature:
Languages necessary to complete the course:
Notes:
Past grade distribution Total number of evaluated students: 16

A	B	C	D	E	FX
81,25	0,0	0,0	0,0	0,0	18,75

Lecturers: Mgr. Aneta Barnes
Last change:
Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-271/20	**Course title:** Slovak Language for Foreign Students (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:

Recommended literature:

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: Mgr. Aneta Barnes

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-272/20	**Course title:** Slovak Language for Foreign Students (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:

Recommended literature:

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: Mgr. Aneta Barnes

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
 Total number of evaluated students: 221

A	B	C	D	E	FX
99,55	0,0	0,45	0,0	0,0	0,0

Lecturers: Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Júlia Raábová, PhD.

Last change: 25.05.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.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: 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: 170

A	B	C	D	E	FX
93,53	0,0	0,0	0,0	0,0	6,47

Lecturers: Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Júlia Raábová, PhD.

Last change: 25.05.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTV/1-MXX-216/18	**Course title:** Sports in Nature (3)

Educational activities:
  Type of activities:
  Number of hours:
    per week: **per level/semester:**
  Form of the course: on-site learning

Number of credits: 1

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: 19

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Júlia Raábová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTV/1-MXX-217/18	**Course title:** Sports in Nature (4)

Educational activities:
  Type of activities:
  Number of hours:
   per week: per level/semester:
  Form of the course: on-site learning

Number of credits: 1

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: 11

A	B	C	D	E	FX
81,82	0,0	0,0	0,0	0,0	18,18

Lecturers: Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Júlia Raábová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-315/15	**Course title:** Statistical Physics and Thermodynamics

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: 158

A	B	C	D	E	FX
25,95	13,29	15,82	11,39	29,75	3,8

Lecturers: Mgr. Juraj Tekel, PhD., doc. RNDr. Vladimír Balek, CSc.

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-133/18	**Course title:** Supplementary English 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: 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: 17

A	B	C	D	E	FX
52,94	35,29	5,88	0,0	5,88	0,0

Lecturers: Mgr. Ing. Jana Kočvarová

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KJP/1-MXX-134/18	**Course title:** Supplementary English 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: 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: 22

A	B	C	D	E	FX
54,55	18,18	0,0	13,64	4,55	9,09

Lecturers: Mgr. Ing. Jana Kočvarová

Last change:

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KAFZM/1-FYZ-581/15	**Course title:** Synoptic and Dynamic Meteorology

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: 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: 14

A	B	C	D	E	FX
42,86	21,43	7,14	14,29	14,29	0,0

Lecturers: doc. RNDr. Martin Gera, PhD., Mgr. Zuzana Surová

Last change: 02.06.2015

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-251/15	**Course title:** Theoretical Mechanics

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: 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: 158

A	B	C	D	E	FX
38,61	13,29	13,92	11,39	13,29	9,49

Lecturers: doc. RNDr. Marián Fecko, PhD.

Last change: 04.10.2016

Approved by:

COURSE DESCRIPTION

University: Comenius University in Bratislava	

Faculty: Faculty of Mathematics, Physics and Informatics	

Course ID: FMFI.KTF/1-FYZ-265/15	**Course title:** Theory of the Electromagnetic Field

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: 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: 146

A	B	C	D	E	FX
31,51	13,7	11,64	11,64	24,66	6,85

Lecturers: doc. RNDr. Martin Mojžiš, PhD., Mgr. Zuzana Kučerová, PhD.

Last change: 02.06.2015

Approved by: