PLAN OF STUDIES

FACULTY: **Computer Science of Management**

MAIN FIELD OF STUDY: **Management**

EDUCATION LEVEL: **2nd level, magister**

FORM OF STUDIES: **full-time**

PROFILE: **general academic**

SPECIALIZATION **Business Information Systems (BIS)**

LANGUAGE OF STUDY: **English**

Faculty Council Resolution of **29.04.2014**

In effect since **1.10.2014**

*delete as applicable

Plan of studies structure (optionally)
    1) in point layout
          (space for scheme of plan)

    2) in hourly layout
          (space for scheme of plan)

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

1. Set of obligatory and optional courses and groups of courses in semestral arrangement

Semester 1

Obligatory courses number of ECTS points …30….

No.	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
1	MAZ1202W	Business Statistics	1						15	60	2	0,5	T	Z			PD	Ob
2	MAZ1202L	Business Statistics			1				15	60	2	0,5	T	Z		P	PD	Ob
3	PRZ1206W	Legal protection of information	1						15	60	2	0,5	T	Z			PD	Ob
4	PRZ1206C	Legal protection of information		1					15	60	2	0,5	T	Z		P	PD	Ob
5	IEZ1201W	Information Systems Analysis	1						15	30	1	0,5	T	Z			S	Ob
6	IEZ1202W	Internet Information Services and Systems	1						15	60	2	0,5	T	Z			S	Ob
7	IEZ1202L	Internet Information Services and Systems			2				30	60	2	1,0	T	Z		P	S	Ob
8	ZMZ1402W	Logistics Management Tools	1						15	60	2	0,5	T	Z			K	Ob
9	EKZ1183W	Macroeconomic modeling	1						15	90	3	0,5	T	E			PD	Ob
10	EKZ1183C	Macroeconomic modeling		1					15	60	2	0,5	T	Z		P	PD	Ob
11	FBZ1201W	Management Accounting	1						15	60	2	0,5	T	Z			K	Ob
12	FBZ1201C	Management Accounting		1					15	60	2	0,5	T	Z		P	K	Ob
13	MAZ1201W	Operations Research	1						15	60	2	0,5	T	E			K	Ob
14	MAZ1201L	Operations Research			2				30	60	2	1,0	T	Z		P	K	Ob
15	ZMZ1201W	Process Management	1						15	60	2	0,5	T	Z			K	Ob
		Total	9	3	5	0	0		255	900	30	8,5						

Obligatory courses number of ECTS points …….

No.	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

		Total																

Groups of obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Optional courses (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Groups of optional courses (e.g. name of specialization) (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Altogether in semester

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Number of ECTS points for BK classes[1]
lec	cl	lab	pr	sem				
9	**3**	**5**	**0**	**0**	**255**	**900**	**30**	**8,5**

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Semester 2
Obligatory courses number of ECTS points …29….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	lec	cl	lab	pr	sem	Field-of-study educational effect symbol	ZZU	CNPS	total	BK classes[1]	Form[2] of course/group of courses	Way[3] of crediting	university-wide[4]	practical[5]	kind[6]	type[7]
					Weekly number of hours				Number of hours		Number of ECTS points				Course/group of courses			
1	IEZ1205W	Business Data Analysis	2						30	60	2	1,0	T	Z			S	Ob
2	IEZ1205L	Business Data Analysis			1				15	60	2	0,5	T	Z		P	S	Ob
3	IEZ1206W	Discrete Optimization and Network Flows	2						30	60	2	1,0	T	Z			S	Ob
4	IEZ1206L	Discrete Optimization and Network Flows			1				15	60	2	0,5	T	Z		P	S	Ob
5	MAZ1203W	Econometrics	1						15	60	2	0,5	T	Z			K	Ob
6	MAZ1203P	Econometrics				1			15	60	2	0,5	T	Z		P	K	Ob
7	ZMZ1228W	Contemporary Management	2						30	120	4	1,0	T	E			PD	Ob
8	ZMZ1228C	Contemporary Management		1					15	60	2	0,5	T	Z		P	PD	Ob
9	IEZ1204W	Management Information Systems	1						15	60	2	0,5	T	E			S	Ob
10	IEZ1204L	Management Information Systems			2				30	60	2	1,0	T	Z		P	S	Ob
11	IEZ1204S	Management Information Systems					1		15	30	1	0,5	T	Z		P	S	Ob
12	IEZ1203W	Management Information Systems Modeling	1						15	60	2	0,5	T	Z			S	Ob
13	IEZ1203L	Management Information Systems Modeling			1				15	60	2	0,5	T	Z		P	S	Ob
14	ZMZ2202S	Seminar I					1		15	60	2	0,5	T	Z		P	S	Ob
		Total	9	1	5	1	2		270	870	29	9,0						

Obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	lec	cl	lab	pr	sem	Field-of-study educational effect symbol	ZZU	CNPS	total	BK classes[1]	Form[2] of course/group of courses	Way[3] of crediting	university-wide[4]	practical[5]	kind[6]	type[7]
					Weekly number of hours				Number of hours		Number of ECTS points				Course/group of courses			
		Total																

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Groups of obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Optional courses (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Groups of optional courses (e.g. name of specialization) (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Altogether in semester

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Number of ECTS points for BK classes[1]
lec	cl	lab	pr	sem				
9	1	5	1	2	270	870	29	9,0

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Semester 3
Obligatory courses number of ECTS points …32….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
1	IEZ2201W	Business Process Modeling	1						15	60	2	0,5	T	Z			S	Ob
2	IEZ2201L	Business Process Modeling			1				15	60	2	0,5	T	Z		P	S	Ob
3	IEZ2201P	Business Process Modeling				1			15	60	2	0,5	T	Z		P	S	Ob
4	IEZ2205W	e-Economy	1						15	90	3	0,5	T	Z			S	Ob
5	IEZ2203W	Data Mining	1						15	90	3	0,5	T	E			S	Ob
6	IEZ2203P	Data Mining				2			30	60	2	1,0	T	Z		P	S	Ob
7	IEZ2204W	Games and Decisions in Management	2						30	90	3	1,0	T	E			S	Ob
8	IEZ2204C	Games and Decisions in Management		1					15	60	2	0,5	T	Z		P	S	Ob
9	ZMZ2205P	MSc Thesis I				2			30	150	5	0,0	T	Z		P	S	Ob
10	IEZ2206W	Business Object Modeling	1						15	60	2	0,5	T	Z			S	Ob
11	IEZ2206L	Business Object Modeling			2				30	60	2	1,0	T	Z		P	S	Ob
12	PSZ2201W	Organizational Psychology	2						30	60	2	1,0	T	Z			K	Ob
13	ZMZ2203S	Seminar II					1		15	60	2	0,5	T	Z		P	S	Ob
		Total	**8**	**1**	**3**	**5**	**1**		**270**	**960**	**32**	**8,0**						

Obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Groups of obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Optional courses (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Groups of optional courses (e.g. name of specialization) (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Altogether in semester

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Number of ECTS points for BK classes[1]
lec	cl	lab	pr	sem				
8	1	3	5	1	270	960	32	8,0

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

Semester 4
Obligatory courses number of ECTS points …26….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	lec	cl	lab	pr	sem	Field-of-study educational effect symbol	ZZU	CNPS	total	BK classes[1]	Form[2] of course/group of courses	Way[3] of crediting	university-wide[4]	practical[5]	kind[6]	type[7]
1	PRZ1207W	Legal protection and commercialization of knowledge	1						15	30	1	0,5	T	Z			K	Ob
2	ZMZ2201W	Management Ethics	2						30	90	3	1,0	T	Z			PD	Ob
3	ZMZ2206D	MSc Thesis II				6			90	480	16	0,0	T	Z		P	S	Ob
4	ZMZ2204W	Strategic Management	1						15	90	3	0,5	T	Z			K	Ob
5	ZMZ2204S	Strategic Management					1		15	90	3	0,5	T	Z		P	K	Ob
		Total	**4**	**0**	**0**	**6**	**1**		**165**	**780**	**26**	**2,5**						

Obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	lec	cl	lab	pr	sem	Field-of-study educational effect symbol	ZZU	CNPS	total	BK classes[1]	Form[2] of course/group of courses	Way[3] of crediting	university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Groups of obligatory courses number of ECTS points …….

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	lec	cl	lab	pr	sem	Field-of-study educational effect symbol	ZZU	CNPS	total	BK classes[1]	Form[2] of course/group of courses	Way[3] of crediting	university-wide[4]	practical[5]	kind[6]	type[7]

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

			Weekly number of hours														
		Total															

Optional courses (minimum …60… hours in semester, …3…. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
1	JZL	Foreign Language B2+		1					15	30	1	0,5	T	Z	O	P	O	W
2	JZL	Foreign Language A1 or A2		3					45	60	2	1,5	T	Z	O	P	O	W
		Total	**0**	**4**	**0**	**0**	**0**		**60**	**90**	**3**	**2,0**						

Groups of optional courses (e.g. name of specialization) (minimum …… hours in semester, ……. ECTS points)

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol **GK**)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form[2] of course/group of courses	Way[3] of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes[1]			university-wide[4]	practical[5]	kind[6]	type[7]
		Total																

Altogether in semester

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Number of ECTS points for BK classes[1]
lec	cl	lab	pr	sem				
4	**4**	**0**	**6**	**1**	**225**	**870**	**29**	**4,5**

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

[2]Traditional – enter T, remote – enter Z

[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)

[4]University-wide course /group of courses – enter O

[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses

[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

[7] Optional – enter W, obligatory – enter Ob

2. Set of examinations in semestral arrangement

Course code	Names of courses ending with examination	Semester
MAZ1201W	Operations Research	1
EKZ1183W	Macroeconomic modeling	1
ZMZ1228W	Contemporary Management	2
IEZ1204W	Management Information Systems	2
IEZ2203W	Data Miting	3
IEZ2204W	Games and Decisions in Management	3

3. Numbers of allowable deficit of ECTS points after particular semesters

Semester	Allowable deficit of ECTS points after semester
1	9
2	15
3	9
4	0

Opinion of student government legislative body

....
Date Name and surname, signature of student representative

....
Date Dean's signature

[1]BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students
[2]Traditional – enter T, remote – enter Z
[3]Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem)
[4]University-wide course /group of courses – enter O
[5]Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses
[6] KO – general education, PD – basic sciences, K – field-of-studies, S – specialization
[7] Optional – enter W, obligatory – enter Ob