

## **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 **25.04.2017**

In effect since **1.10.2017**

## Plan of studies structure (optionally)

### 1) in point layout

	CNPS	ECTS	CNPS	ECTS	CNPS	ECTS	CNPS	ECTS	
	900	30	870	29	960	32	870	29	
18			Management Information Systems Modeling						18
17	Information Systems Analysis	1	120	4	Business Process Modeling	6			17
16							Work environment physics II	2	16
15	Internet Information Services and Systems	4	Management Information Systems	3	Business Object Modeling	4	F. Language B2+	4	15
14	120		90		120		Foreign Language A1 or A2	2	14
13	Management Accounting	4					60		13
12	120								12
11	Process Management	2	Business Data Analysis	4	Data Mining	5	Legal protection ...	1	11
10	Logistics Management Tools	2	120		150		30		10
9							Strategic Management	6	9
8	Operations Research	4	Discrete Optimization and Network Flows	4	Games and Decisions in Management	5	180		8
7	120		120		150		Management Ethics	3	7
6									6
5	Legal protection of information	4	Econometrics	4	e-Economy	3			5
4	120		120		90		Organizational Psychology	2	4
3	Macroeconomic modeling	5	Contemporary Management	6	60				3
2	150		180				MSc Thesis I	5	2
1	Business Statistics	4	Seminar I	2	60		150		1
	120		60		60		Seminar II	2	
	I		II		III		IV		Total
	17/255		18/270		18/270		17/255		70/1050

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob

2) in hourly layout

	CNPS	ECTS	CNPS	ECTS	CNPS	ECTS	CNPS	ECTS	
	900	30	870	29	960	32	870	29	
18			Management Information Systems Modeling 10100		Business Process Modeling 10110				18
17	Information Systems Analysis 10000								17
16							Work environment physics II 10000		16
15	Internet Information Services and Systems 10200		Management Information Systems 10201 E		Business Object Modeling 10200		F. Language B2+ 01000		15
14								Foreign Language A1 or A2 03000	14
13	Management Accounting 11000								13
12									12
11	Process Management 10000		Business Data Analysis 20100		Data Mining 10020 E		Legal protection ... 10000		11
10	Logistics Management Tools 10000						Strategic Management 10001		10
9									9
8	Operations Research 10200 E		Discrete Optimization and Network Flows 20100		Games and Decisions in Management 21000 E		Management Ethics 20000		8
7									7
6	Legal protection of information 11000		Econometrics 10010		e-Economy 10000				6
5					Organizational Psychology 20000				5
4	Macroeconomic modeling 11000 E		Contemporary Management 21000 E		MSc Thesis I [2]		MSc Thesis II [6]		4
3									3
2	Business Statistics 10100								2
1			Seminar I 00001		Seminar II 00001				1
	I		II		III		IV		Total
	17/255		18/270		18/270		17/255		70/1050

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

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<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

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## 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 <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
1	MAZ1202W	Business Statistics	1					K2_ZARZ_W07 K2_ZARZ_W13	15	60	2	0,5	T	Z			PD	Ob
2	MAZ1202L	Business Statistics			1			K2_ZARZ_U03 K2_ZARZ_U08 K2_ZARZ_U11 K2_ZARZ_U12 K2_ZARZ_U14 K2_ZARZ_K09	15	60	2	0,5	T	Z		P	PD	Ob
3	PRZ1206W	Legal protection of information	1					K2_ZARZ_W01 K2_ZARZ_W10 K2_ZARZ_W12	15	60	2	0,5	T	Z			PD	Ob
4	PRZ1206C	Legal protection of information		1				K2_ZARZ_U01 K2_ZARZ_U05 K2_ZARZ_U16 K2_ZARZ_U20 K2_ZARZ_K07 K2_ZARZ_K09	15	60	2	0,5	T	Z		P	PD	Ob
5	IEZ1201W	Information Systems Analysis	1					K2_ZARZ_W05 K2_ZARZ_W06 S2_BIS_W05 K2_ZARZ_K06	15	30	1	0,5	T	Z			S	Ob
6	IEZ1202W	Internet Information Services and Systems	1					S2_BIS_W03	15	60	2	0,5	T	Z			S	Ob
7	IEZ1202L	Internet Information Services and Systems			2			S2_BIS_U05	30	60	2	1,0	T	Z		P	S	Ob
8	ZMZ1402W	Logistics Management Tools	1					K2_ZARZ_W08 K2_ZARZ_W14 S2_BIS_W01 S2_BIS_W03 K2_ZARZ_U02 K2_ZARZ_U04 S2_BIS_U02 K2_ZARZ_K07	15	60	2	0,5	T	Z			K	Ob
9	EKZ1183W	Macroeconomic modeling	1					K2_ZARZ_W01 K2_ZARZ_W02 K2_ZARZ_W03 K2_ZARZ_W13	15	90	3	0,5	T	E			PD	Ob
10	EKZ1183C	Macroeconomic modeling		1				K2_ZARZ_U01 K2_ZARZ_U04 K2_ZARZ_U14 K2_ZARZ_K01 K2_ZARZ_K02 K2_ZARZ_K08	15	60	2	0,5	T	Z		P	PD	Ob
11	FBZ1201W	Management Accounting	1					K2_ZARZ_W06 K2_ZARZ_W09 K2_ZARZ_W11 S2_BIS_W02	15	60	2	0,5	T	Z			K	Ob

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

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<sup>7</sup> Optional – enter W, obligatory – enter Ob

12	FBZ1201C	Management Accounting		1					K2_ZARZ_U06 K2_ZARZ_U11 K2_ZARZ_U15 K2_ZARZ_U16 S2_BIS_U02 K2_ZARZ_K04	15	60	2	0,5	T	Z		P	K	Ob
13	MAZ1201W	Operations Research	1						K2_ZARZ_W13 S2_BIS_W02	15	60	2	0,5	T	E			K	Ob
14	MAZ1201L	Operations Research			2				K2_ZARZ_U10 K2_ZARZ_U18 S2_BIS_U02	30	60	2	1,0	T	Z		P	K	Ob
15	ZMZ1201W	Process Management	1						K2_ZARZ_W04 K2_ZARZ_W06 K2_ZARZ_W07 K2_ZARZ_W14 S2_BIS_W04 S2_BIS_W05 K2_ZARZ_U04 K2_ZARZ_U15 K2_ZARZ_U16 S2_BIS_U04 K2_ZARZ_K05 K2_ZARZ_K06	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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
Total																			

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob

**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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <sup>1</sup>
lec	cl	lab	pr	sem				
9	3	5	0	0	255	900	30	8,5

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<sup>4</sup>University-wide course /group of courses – enter O

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

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<sup>7</sup> 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)	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
1	IEZ1205W	Business Data Analysis	2					K2_ZARZ_W13 S2_BIS_W01	30	60	2	1,0	T	Z			S	Ob
2	IEZ1205L	Business Data Analysis			1			K2_ZARZ_U14 S2_BIS_U01 K2_ZARZ_K05 K2_ZARZ_K08	15	60	2	0,5	T	Z		P	S	Ob
3	IEZ1206W	Discrete Optimization and Network Flows	2					K2_ZARZ_W08 K2_ZARZ_W13 S2_BIS_W02	30	60	2	1,0	T	Z			S	Ob
4	IEZ1206L	Discrete Optimization and Network Flows			1			K2_ZARZ_U10 S2_BIS_U02 K2_ZARZ_K04 K2_ZARZ_K05	15	60	2	0,5	T	Z		P	S	Ob
5	MAZ1203W	Econometrics	1					K2_ZARZ_W07 K2_ZARZ_W13 S2_BIS_W01 S2_BIS_W02	15	60	2	0,5	T	Z			K	Ob
6	MAZ1203P	Econometrics				1		K2_ZARZ_U03 K2_ZARZ_U08 K2_ZARZ_U11 K2_ZARZ_U12 K2_ZARZ_U14 S2_BIS_U01 S2_BIS_U02	15	60	2	0,5	T	Z		P	K	Ob
7	ZMZ1228W	Contemporary Management	2					K2_ZARZ_W03 K2_ZARZ_W04 K2_ZARZ_W05 K2_ZARZ_W06 K2_ZARZ_W07 K2_ZARZ_W08 K2_ZARZ_W09 K2_ZARZ_W10 K2_ZARZ_W11	30	120	4	1,0	T	E			PD	Ob
8	ZMZ1228C	Contemporary Management		1				K2_ZARZ_U02 K2_ZARZ_U03 K2_ZARZ_U04 K2_ZARZ_U06 K2_ZARZ_U07 K2_ZARZ_U08 K2_ZARZ_U09 K2_ZARZ_U15 K2_ZARZ_U16 K2_ZARZ_U17 K2_ZARZ_U18 K2_ZARZ_K01 K2_ZARZ_K02 K2_ZARZ_K04 K2_ZARZ_K06 K2_ZARZ_K07 K2_ZARZ_K08	15	60	2	0,5	T	Z		P	PD	Ob

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

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

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<sup>7</sup> Optional – enter W, obligatory – enter Ob

9	IEZ1204W	Management Information Systems	1						K2_ZARZ_W03 K2_ZARZ_W14 S2_BIS_W03	15	60	2	0,5	T	E		S	Ob	
10	IEZ1204L	Management Information Systems			2				K2_ZARZ_U05 K2_ZARZ_U13 S2_BIS_U04 S2_BIS_U05 K2_ZARZ_K01 K2_ZARZ_K02	30	60	2	1,0	T	Z		P	S	Ob
11	IEZ1204S	Management Information Systems					1		K2_ZARZ_U05 K2_ZARZ_U13 S2_BIS_U04 S2_BIS_U05 K2_ZARZ_K01 K2_ZARZ_K02	15	30	1	0,5	T	Z		P	S	Ob
12	IEZ1203W	Management Information Systems Modeling	1						S2_BIS_W04	15	60	2	0,5	T	Z			S	Ob
13	IEZ1203L	Management Information Systems Modeling			1				S2_BIS_U03	15	60	2	0,5	T	Z		P	S	Ob
14	ZMZ2202S	Seminar I					1		K2_ZARZ_U04 K2_ZARZ_U16 K2_ZARZ_U18 K2_ZARZ_K01 K2_ZARZ_K08	15	60	2	0,5	T	Z		P	S	Ob
Total			<b>9</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>2</b>			<b>270</b>	<b>870</b>	<b>29</b>	<b>9,0</b>						

### Obligatory courses number of ECTS points .....

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

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<sup>4</sup>University-wide course /group of courses – enter O

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

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<sup>7</sup> Optional – enter W, obligatory – enter Ob



**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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <sup>1</sup>
lec	cl	lab	pr	sem				
9	1	5	1	2	270	870	29	9,0

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

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<sup>7</sup> 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 <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
1	IEZ2201W	Business Process Modeling	1					K2_ZARZ_W06 K2_ZARZ_W13 S2_BIS_W04	15	60	2	0,5	T	Z			S	Ob
2	IEZ2201L	Business Process Modeling			1			K2_ZARZ_U13 S2_BIS_U05 K2_ZARZ_K02 K2_ZARZ_K06	15	60	2	0,5	T	Z		P	S	Ob
3	IEZ2201P	Business Process Modeling				1		K2_ZARZ_U13 S2_BIS_U05 K2_ZARZ_K02 K2_ZARZ_K06	15	60	2	0,5	T	Z		P	S	Ob
4	IEZ2205W	e-Economy	1					S2_BIS_W03	15	90	3	0,5	T	Z			S	Ob
5	IEZ2203W	Data Mining	1					K2_ZARZ_W08 S2_BIS_W01	15	90	3	0,5	T	E			S	Ob
6	IEZ2203P	Data Mining				2		K2_ZARZ_U03 S2_BIS_U01 K2_ZARZ_K01 K2_ZARZ_K02 K2_ZARZ_K05	30	60	2	1,0	T	Z		P	S	Ob
7	IEZ2204W	Games and Decisions in Management	2					S2_BIS_W02	30	90	3	1,0	T	E			S	Ob
8	IEZ2204C	Games and Decisions in Management		1				S2_BIS_U02	15	60	2	0,5	T	Z		P	S	Ob
9	ZMZ2205P	MSc Thesis I				2		K2_ZARZ_W06 K2_ZARZ_W09 K2_ZARZ_W10 K2_ZARZ_U03 K2_ZARZ_U04 K2_ZARZ_U06 K2_ZARZ_U14 K2_ZARZ_U16 K2_ZARZ_U17 K2_ZARZ_K01 K2_ZARZ_K09	30	150	5	0,0	T	Z		P	S	Ob
10	IEZ2206W	Business Object Modeling	1					K2_ZARZ_W05 K2_ZARZ_W06 K2_ZARZ_W08 S2_BIS_W04 S2_BIS_W05	15	60	2	0,5	T	Z			S	Ob
11	IEZ2206L	Business Object Modeling			2			K2_ZARZ_U07 K2_ZARZ_U13 S2_BIS_U03 K2_ZARZ_K04 K2_ZARZ_K05 K2_ZARZ_K06	30	60	2	1,0	T	Z		P	S	Ob
12	PSZ2201W	Organizational Psychology	2					K2_ZARZ_W11 K2_ZARZ_W12	30	60	2	1,0	T	Z			K	Ob

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob

13	ZMZ2203S	Seminar II					1	K2_ZARZ_U04 K2_ZARZ_U16 K2_ZARZ_U18 K2_ZARZ_K01 K2_ZARZ_K08	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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
Total																		

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> 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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <sup>1</sup>
lec	cl	lab	pr	sem				
<b>8</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>270</b>	<b>960</b>	<b>32</b>	<b>8,0</b>

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> 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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
1	PRZ1207W	Legal protection and commercialization of knowledge	1					K2_ZARZ_W01 K2_ZARZ_W07 K2_ZARZ_W10 K2_ZARZ_W12 K2_ZARZ_U01 K2_ZARZ_U05 K2_ZARZ_U16 K2_ZARZ_U20 K2_ZARZ_K07 K2_ZARZ_K09	15	30	1	0,5	T	Z			K	Ob
2	ZMZ2201W	Management Ethics	2					K2_ZARZ_W01 K2_ZARZ_W04 K2_ZARZ_W08 K2_ZARZ_W11 K2_ZARZ_U02 K2_ZARZ_U05 K2_ZARZ_U06 K2_ZARZ_K03 K2_ZARZ_K04 K2_ZARZ_K05 K2_ZARZ_K07 K2_ZARZ_K09	30	90	3	1,0	T	Z			PD	Ob
3	ZMZ2627D	MSc Thesis II					6	K2_ZARZ_W06 K2_ZARZ_W09 K2_ZARZ_W10 K2_ZARZ_U03 K2_ZARZ_U04 K2_ZARZ_U06 K2_ZARZ_U14 K2_ZARZ_U16 K2_ZARZ_U17 K2_ZARZ_K01 K2_ZARZ_K07 K2_ZARZ_K09	90	420	14	0,0	T	Z		P	S	Ob
4	ZMZ2204W	Strategic Management	1					K2_ZARZ_W03 K2_ZARZ_W05	15	90	3	0,5	T	Z			K	Ob
5	ZMZ2204S	Strategic Management					1	K2_ZARZ_U03 K2_ZARZ_U04 K2_ZARZ_U06 K2_ZARZ_U08 K2_ZARZ_U09 K2_ZARZ_U18	15	90	3	0,5	T	Z		P	K	Ob
6	FZZ2513W	Work environment physics	1					K2_ZARZ_W15 K2_ZARZ_U05 K2_ZARZ_K02	15	60	2	0,5	T	Z			PD	Ob
Total			5	0	0	6	1		180	180	780	26	3,0					

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup>KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup>Optional – enter W, obligatory – enter Ob

### Obligatory courses number of ECTS points .....

No..	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>
1	JZL	Foreign Language B2+		1				K2_ZARZ_U16 K2_ZARZ_U15 K2_ZARZ_U20 K2_ZARZ_U19 K2_ZARZ_U21	15	30	1	0,5	T	Z	O	P	O	W
2	JZL	Foreign Language A1 or A2		3				K2_ZARZ_U20 K2_ZARZ_U19 K2_ZARZ_U21	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)

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob

No.	Course/group of courses code	Name of course/group of courses (denote group of courses with symbol <b>GK</b> )	Weekly number of hours					Field-of-study educational effect symbol	Number of hours		Number of ECTS points		Form <sup>2</sup> of course/group of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	total	BK classes <sup>1</sup>			university-wide <sup>4</sup>	practical <sup>5</sup>	kind <sup>6</sup>	type <sup>7</sup>	
		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 <sup>1</sup>
lec	cl	lab	pr	sem				
<b>5</b>	<b>4</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>240</b>	<b>870</b>	<b>29</b>	<b>5,0</b>

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob

## 2. Set of examinations in semestral arrangement

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

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

Semester	Allowable deficit of ECTS points after semester
1	<b>9</b>
2	<b>15</b>
3	<b>9</b>
4	<b>0</b>

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob



Opinion of student government legislative body

.....

Date Name and surname, signature of student representative

.....

Date Dean's signature

<sup>1</sup>BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students

<sup>2</sup>Traditional – enter T, remote – enter Z

<sup>3</sup>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)

<sup>4</sup>University-wide course /group of courses – enter O

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

<sup>6</sup> KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

<sup>7</sup> Optional – enter W, obligatory – enter Ob