

## DESCRIPTION OF THE PROGRAM OF STUDIES

**Main field of study:** Management

**Profile:** general academic

**Level of studies:** first-level studies

**Form of studies:** full-time studies

### 1. General description

<i>1.1 Number of semesters:</i> <b>6</b>	<i>1.2 Total number of ECTS points necessary to complete studies at a given level:</i> <b>180</b>
<i>1.3 Total number of hours:</i> <b>2160</b>	<i>1.4 Prerequisites (particularly for second-level studies):</i> <b>According to the resolution No. 151/11/2020-2024 of PWr Senate from 17 June 2021 and resolution No. 26/22/2020-2024 of PWr Senate from 19 May 2022</b>
<i>1.5 Upon completion of studies graduate obtains professional degree of:</i> <b>bachelor</b>	<i>1.6 Graduate profile, employability:</i> A graduate will be able to set up and organize an enterprise in any given organizational-legal form and formulate alternative solutions to typical problems regarding management and effectiveness within an organization and its individual functional groups. He/she will have the ability to identify, interpret and assess the behaviour of employees and apply standard techniques of directing such behaviour. He/she will cooperate and work effectively in organizational forms made up of groups and/or teams. He/she will be able to select and create simple software to solve common problems in management. These abilities qualify such a graduate for management

	<p>positions in the following fields: production planning and organization, marketing, logistics, accounts, human resources, organization and management, as well as the implementation of computerized systems in management. A graduate could also manage a small team of workers and, in particular, run their own enterprise.</p>
<p><b>1.7 Possibility of continuing studies: Eligibility to apply for admission to second-cycle study programmes, nondegree postgraduate programmes</b></p>	<p><b>1.8 Indicate connection with University's mission and its development strategy:</b></p> <p>Education in Management is conducted in the field of social sciences, however it is directly part of the mission and development strategy of a technical university. Management graduates acquire business, analytical, social and technical competences.</p> <p>The educational program in Management is coherent with the mission of Wrocław University of Science and Technology in the following areas:</p> <ul style="list-style-type: none"> <li>• Developing creative, critical and tolerant graduates, as studying a course in management emphasizes on appropriate skills and attitudes development;</li> <li>• Aiming to provide high quality courses and providing the students of Management and lecturers with conditions enabling open discussion and constructive criticism;</li> <li>• Developing the values and tradition of higher education, wide-ranging cooperation with other universities via students taking part in scientific conferences and the Erasmus program, and with employers via practical learning, carried out in the form of projects in specific organizations;</li> <li>• Aiming to make an impact on the national and international scene in the area of educating specialists in the field of management, by emphasizing the professionalism and hard skills of graduates.</li> </ul> <p>According to the principle adopted at Wrocław University of Science and Technology, studies in the field of Management have a general academic profile. The program satisfies all the conditions stipulated in current legislation and is also in accordance with the Polish Qualifications Framework in the field of social science.</p> <p>Our programs in Management has have a unique character. In accordance with the University's strategy, which emphasizes the need to respond to the current needs</p>

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

	<p>of the labor market, it demonstrates a natural – in business practice – complementarity of technical science and economics, enriched with the element of computer science.</p> <p>Due to the regional roots of the University, the educational programs in Management create a framework which ensures that students have systematic contact with enterprises and other institutions during their studies.</p> <p>In line with the University's development strategy, the quality of education in the didactic offer at the Faculty is systematically improved. This is achieved through the development of our lecturers' research and teaching skills, as well as systematic refurbishment of the department's infrastructure, including modernization of lecture theatres, audio-visual equipment and computer laboratories, and a current software updates.</p> <p>The program of bachelor studies in management develops the theoretical knowledge and practical skills of students, enabling graduates to be highly competitiveness on the employment market. Graduates are able to undertake master studies and carry out their own research. They also are conscious of the need for constant self-development in cooperation with their alma mater.</p>
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## 2. Detailed description

- 2.1 Total number of learning outcomes in the program of study: W (knowledge) = 28, U (skills) = 18, K (competences) = 8, W + U + K = 54**
- 2.2 For the main field of study assigned to more than one discipline - the number of learning outcomes assigned to the discipline:**
- D1 (major) (this number must be greater than half the total number of learning outcomes)**
  - D2 .....**
  - D3 .....**
  - D4 .....**

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**2.3 For the main field of study assigned to more than one discipline - percentage share of the number of ECTS points for each discipline:**

**D1 .....% ECTS points**

**D2 .....% ECTS points**

**D3 .....% ECTS points**

**D4 .....% ECTS points**

**2.4a. For the general academic profile of the main field of study – the number of ECTS points assigned to the classes related to the University's academic activity in the discipline or disciplines to which the main field of study is assigned – DN (must be greater than 50% of the total number of ECTS points from 1.2) 161 ECTS**

**2.4b. For the practical profile of the main field of study - the number of ECTS points assigned to the classes shaping practical skills (must be greater than 50% of the total number of ECTS points from 1.2)**

**2.5. Concise analysis of compliance of the assumed learning outcomes with the needs of the labor market**

The learning outcomes of our undergraduate studies satisfy the following needs of employers on the job market:

- The need for employees to have interdisciplinary skills (small and medium-sized enterprises);
- The ability to work independently, but also cooperate with other employees to diagnose problems, as well as propose and implement solutions in specific functional groups within a firm (medium-sized and large enterprises);
- Openness to applying novel management methods and techniques, as well as tools from information technology;
- Flexibility and openness to innovations: entering new professions – according to the website pracuj.pl - e.g. analysts of investment processes, e-business specialists (e-marketers and e-architects), project management.

„Traditional” specialists in the field of marketing, finance, human resources, production management, logistics and IT are still in high demand on the employment market. However, they must be highly skilled, both technically and socially, in order to satisfy the demands of employers described above. Our program of undergraduate studies in Management, together with the experience of the teaching staff, create the conditions for students to develop these skills through their studies.

**2.6. The total number of ECTS points that a student must obtain in classes requiring direct participation of academic teachers or other persons conducting classes and students (enter the sum of ECTS points for courses / groups of courses marked with the BU<sup>1</sup> code) 92,8 ECTS. The maximum number of ECTS carried out remotely with the consent of the Dean of the Faculty is 75%.**

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<sup>6</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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### 2.7. Total number of ECTS points, which student has to obtain from basic sciences classes

Number of ECTS points for obligatory subjects	25
Number of ECTS points for optional subjects	0
Total number of ECTS points	25

### 2.8. Total number of ECTS points, which student has to obtain from practical classes, including project and laboratory classes (enter total number of ECTS points for courses/group of courses denoted with code P)

Number of ECTS points for obligatory subjects	38
Number of ECTS points for optional subjects	56
Total number of ECTS points	94

### 2.9. Minimum number of ECTS points, which student has to obtain doing education blocks offered as part of University-wide classes or other main field of study (enter number of ECTS points for courses/groups of courses denoted with code O)

14 ECTS points

### 2.10. Total number of ECTS points, which student may obtain doing optional blocks (min. 30% of total number of ECTS points)

54 ECTS points

## 3. Description of the process leading to learning outcomes acquisition:

The process leading to achievement of the assumed learning outcomes includes active participation in the classes organized at the university: lectures, classes, laboratories, projects and seminars, as well as self-studies enabling consolidation, supplementation and extension of knowledge. The educational program create a framework which ensures that student has systematic contact with enterprises and other institutions during studies. If necessary, the student may use individual consultations. Learning outcomes in terms of skills are further developed during obligatory student training program.

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#### 4. List of education blocks:

##### 4.1. List of obligatory blocks:

##### 4.1.1 List of general education blocks

###### 4.1.1.1 Liberal-managerial subjects block (min. 6 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8094W	Psychology (H)	2					K1_ZARZ_W17 K1_ZARZ_K01 K1_ZARZ_K02 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN		KO
2	W08ZZZ- SL8010W	Sociology (H)	2					K1_ZARZ_W01 K1_ZARZ_W06 K1_ZARZ_W12 K1_ZARZ_W18 K1_ZARZ_W20 K1_ZARZ_K01	30	50	2	2	1,2	T/Z	Z		DN		KO
3	W08ZZZ- SL8095W	Social philosophy (H)	2					K1_ZARZ_W18 K1_ZARZ_K06	30	50	2		1,2	T/Z	Z		DN		KO
<b>Total</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>90</b>	<b>150</b>	<b>6</b>	<b>4</b>	<b>3,6</b>						

###### 4.1.1.2 Foreign languages block (min. .... 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
<b>Total</b>																			

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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)

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<sup>6</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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#### 4.1.1.3 Sporting classes block (0 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
<b>Total</b>																			

#### 4.1.1.4 Information technologies block (min. 4 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8003G	Technologie informacyjne (GK)	2		1			K1_ZARZ_ W26 K1_ZARZ_ U12	45	120	4	4	1,5	T/Z	Z		DN		K
<b>Total</b>			<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>		<b>45</b>	<b>120</b>	<b>4</b>	<b>4</b>	<b>1,5</b>						

#### Altogether for general education blocks

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>135</b>	<b>270</b>	<b>10</b>	<b>8</b>	<b>5,1</b>

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## 4.1.2 List of basic sciences blocks

### 4.1.2.1 Mathematics block

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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8006W	Descriptive statistics	2					K1_ZARZ_W24 K1_ZARZ_W26	30	120	4	4	1	T/Z	E		DN		PD
2	W08ZZZ- SL8006C	Descriptive statistics		1				K1_ZARZ_U05 K1_ZARZ_K06	15	60	2	2	0,5	T/Z	Z		DN	P	PD
3	W08ZZZ- SL8015W	Mathematical Economics	2					K1_ZARZ_W01 K1_ZARZ_W03 K1_ZARZ_W11 K1_ZARZ_W24 K1_ZARZ_W25 K1_ZARZ_W26	30	120	4	4	1	T/Z	E		DN		PD
4	W08ZZZ- SL8015C	Mathematical Economics		1				K1_ZARZ_U05 K1_ZARZ_K06	15	60	2	2	0,5	T/Z	Z		DN	P	PD
5	W13ZZZ- SL8001G	Mathematics (GK)	2	2				K1_ZARZ_W24 K1_ZARZ_U14 K1_ZARZ_K07	60	270	9		7,0	T	E (lec.)	O		P (4)	PD
<b>Total</b>			<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>150</b>	<b>630</b>	<b>21</b>	<b>12</b>	<b>10</b>						

### 4.1.2.2 Physics block

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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8012W	Work environment physics	2					K1_ZARZ_W04 K1_ZARZ_W06 K1_ZARZ_W23	30	60	2	2	1	T/Z	Z		DN		PD
2	W08ZZZ- SL8012C	Work environment physics		1				K1_ZARZ_U06 K1_ZARZ_U13 K1_ZARZ_K02 K1_ZARZ_K04	15	30	1	1	0,6	T/Z	Z		DN	P	PD
3	W08ZZZ- SL8012L	Work environment physics			1			K1_ZARZ_U06 K1_ZARZ_U13 K1_ZARZ_K02 K1_ZARZ_K04	15	30	1	1	0,6	T/Z	Z		DN	P	PD
<b>Total</b>			<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>		<b>60</b>	<b>120</b>	<b>4</b>	<b>4</b>	<b>2,2</b>						

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### 4.1.2.3 Chemistry block

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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
		<b>Total</b>																	

### Altogether for basic sciences blocks:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
8	5	1	0	0	210	750	25	16	12,2

## 4.1.3 List of the main field of study blocks

### 4.1.3.1 Obligatory main field of study blocks

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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8060W	Civil and commercial law	2					K1_ZARZ_W04	30	50	2	2	1,2	T/Z	Z		DN		K
2	W08ZZZ- SL8060C	Civil and commercial law		1				K1_ZARZ_U06 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K
3	W08ZZZ- SL8018W	Corporate finance	2					K1_ZARZ_W11	30	75	3	3	1,2	T/Z	E		DN		K

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4	W08ZZZ-SL8018C	Corporate finance		1				K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U07 K1_ZARZ_U08 K1_ZARZ_U11 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K02	15	25	1	1	0,6	T/Z	Z		DN	P	K
5	W08ZZZ-SL8061W	Essentials of finance	2					K1_ZARZ_W02 K1_ZARZ_W03 K1_ZARZ_W11 K1_ZARZ_K01 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN		K
6	W08ZZZ-SL8002W	Essentials of management	2					K1_ZARZ_W05 K1_ZARZ_W06 K1_ZARZ_W07 K1_ZARZ_W08 K1_ZARZ_W09 K1_ZARZ_W19 K1_ZARZ_W20	30	75	3	3	1,2	T/Z	E		DN		K
7	W08ZZZ-SL8002C	Essentials of management		2				K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U07 K1_ZARZ_U08 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	30	50	2	2	1,2	T/Z	Z		DN	P	K
8	W08ZZZ-SL8090W	Financial analysis supported by computer	1					K1_ZARZ_W11 K1_ZARZ_W25	30	50	2	2	1,2	T/Z	Z		DN		K
9	W08ZZZ-SL8090L	Financial analysis supported by computer			1			K1_ZARZ_U04 K1_ZARZ_U05 K1_ZARZ_U07 K1_ZARZ_U11 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K
10	W08ZZZ-SL8083W	Financial management	2					K1_ZARZ_W09 K1_ZARZ_W11	30	50	2	2	1,2	T/Z	Z		DN		K
11	W08ZZZ-SL8083C	Financial management		1				K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U05 K1_ZARZ_U07 K1_ZARZ_U11 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K
12	W08ZZZ-SL8074W	Logistics	1					K1_ZARZ_W09 K1_ZARZ_W14	15	25	1	1	0,6	T/Z	Z		DN		K
13	W08ZZZ-SL8074C	Logistics		1				K1_ZARZ_U02 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	K
14	W08ZZZ-SL8008W	Macroeconomics	2					K1_ZARZ_W01 K1_ZARZ_W02 K1_ZARZ_W03 K1_ZARZ_W24 K1_ZARZ_W26	30	100	4	4	1,2	T/Z	E		DN		K
15	W08ZZZ-SL8008C	Macroeconomics		1				K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	K

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

16	W08ZZZ-SL8091W	Information Systems in Management	2					K1_ZARZ_W25 K1_ZARZ_W27	30	50	2	2	1,2	T/Z	Z		DN		K
17	W08ZZZ-SL8091L	Information Systems in Management			1			K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K05	15	25	1	1	0,6	T/Z	Z		DN	P	K
18	W08ZZZ-SL8039L	Management training			2			K1_ZARZ_W09 K1_ZARZ_U03 K1_ZARZ_U05 K1_ZARZ_U11 K1_ZARZ_U12 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K05 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	K
19	W08ZZZ-SL8075W	Marketing management	1					K1_ZARZ_W05 K1_ZARZ_W09 K1_ZARZ_W10	30	50	2	2	1,2	T/Z	Z		DN		K
20	W08ZZZ-SL8075C	Marketing management				2		K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U05 K1_ZARZ_U07 K1_ZARZ_U08 K1_ZARZ_U09 K1_ZARZ_U14 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	K
21	W08ZZZ-SL8084W	Marketing research	2					K1_ZARZ_W10	30	50	2	2	1,2	T/Z	Z		DN		K
22	W08ZZZ-SL8084C	Marketing research			2			K1_ZARZ_U04 K1_ZARZ_U05 K1_ZARZ_U07 K1_ZARZ_U11 K1_ZARZ_U14 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	K
23	W08ZZZ-SL8004W	Microeconomics	2					K1_ZARZ_W01 K1_ZARZ_W02 K1_ZARZ_W03 K1_ZARZ_W06	30	75	3	3	1,2	T/Z	E		DN		K
24	W08ZZZ-SL8004C	Microeconomics			2			K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K02 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	K
25	W08ZZZ-SL8022W	Operations management	1					K1_ZARZ_W09 K1_ZARZ_W13	15	25	1	1	0,6	T/Z	E		DN		K
27	W08ZZZ-SL8022C	Operations management			1			K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U07 K1_ZARZ_U08 K1_ZARZ_U11 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

28	W08ZZZ-SL8022L	Operations management			1			K1_ZARZ_U02 K1_ZARZ_U03 K1_ZARZ_U04 K1_ZARZ_U07 K1_ZARZ_U08 K1_ZARZ_U11 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K
29	W08ZZZ-SL8068W	Organizational behaviours	2					K1_ZARZ_W18 K1_ZARZ_W19 K1_ZARZ_W20	30	50	2	2	1,2	T/Z	Z		DN		K
30	W08ZZZ-SL8068C	Organizational behaviours			1			K1_ZARZ_U09 K1_ZARZ_U10 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K02 K1_ZARZ_K04 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	K
31	W08ZZZ-SL8062W	Organizational science	2					K1_ZARZ_W05 K1_ZARZ_W06 K1_ZARZ_W08 K1_ZARZ_W11 K1_ZARZ_W12	30	50	2	2	1,2	T/Z	Z		DN		K
32	W08ZZZ-SL8062C	Organizational science			1			K1_ZARZ_U01 K1_ZARZ_U02 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K04 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	K
33	W08ZZZ-SL8089W	Business Process Management	1					K1_ZARZ_W09 K1_ZARZ_W16	15	25	1	1	0,6	T/Z	Z		DN		K
34	W08ZZZ-SL8089L	Business Process Management			1			K1_ZARZ_U5 K1_ZARZ_U18 K1_ZARZ_K3 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	K
35	W08ZZZ-SL8030W	Total quality management	2					K1_ZARZ_W15	30	75	3	3	1,2	T/Z	E		DN		K
36	W08ZZZ-SL8030C	Total quality management			2			K1_ZARZ_U03 K1_ZARZ_U05 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_K01 K1_ZARZ_K05	30	50	2	2	1,2	T/Z	Z		DN	P	K
37	W08ZZZ-SL8098S	Self-presentation				2		K1_ZARZ_W19 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K06 K1_ZARZ_K08	30	50	2	2	1,2	T/Z	ZDN		DN	P	K
<b>Total</b>			<b>29</b>	<b>16</b>	<b>6</b>	<b>2</b>	<b>2</b>		<b>870</b>	<b>1600</b>	<b>64</b>	<b>64</b>	<b>34,8</b>						

**Altogether (for main field of study blocks):**

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
<b>29</b>	<b>16</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>870</b>	<b>1600</b>	<b>64</b>	<b>64</b>	<b>34,8</b>

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

## 4.2 List of optional blocks

### 4.2.1 List of general education blocks

#### 4.2.1.1 Liberal-managerial subjects blocks (min. 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>	
1	<b>ZZZ- SL2ZOM02SC</b>	<b>Social competences module (H)</b>						2	K1_ZARZ_W28 K1_ZARZ_U10 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U17 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K04 K1_ZARZ_K05 K1_ZARZ_K06	30	75	3	3	1,2	T/Z	Z		DN	P	KO
	W08ZZZ- SL8066S	Communication in management						2		30	75	3	3	1,2	T/Z	Z		DN	P	KO
	W08ZZZ- SL8065S	Management of own potential						2		30	75	3	3	1,2	T/Z	Z		DN	P	KO
		<b>Total</b>						<b>2</b>		<b>30</b>	<b>75</b>	<b>3</b>	<b>3</b>	<b>1,2</b>						

#### 4.2.1.2 Foreign languages block (min. 5 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses				
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>	
1	SJO-SI0003	Foreign language A1/A2/ B1/ B2.1/ C1.1		4					K1_ZARZ_U16 K1_ZARZ_K06	60	70	2		1,5	T	Z	O	DN	P	KO
2	SJO-SI0004	Foreign language B2.2/C1.2		4					K1_ZARZ_U16 K1_ZARZ_K06	60	80	3		2,5	T	Z	O	DN	P	KO
		<b>Total</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>120</b>	<b>150</b>	<b>5</b>	<b>0</b>	<b>4,0</b>						

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

#### 4.2.1.3 Sporting classes block (0 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	SWF-S00000	Sport activities		2				K1 ZARZ K07	30	30	0	0,0	0,0	T	Z	O		P	KO
2	SWF-S00000	Sport activities		2				K1 ZARZ K07	30	30	0	0,0	0,0	T	Z	O		P	KO
<b>Total</b>			<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>60</b>	<b>60</b>	<b>0</b>	<b>0,0</b>	<b>0,0</b>						

#### 4.2.1.4 Information technologies block (min. .... 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
<b>Total</b>																			

#### Altogether for general education blocks:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>210</b>	<b>285</b>	<b>8</b>	<b>3</b>	<b>5,2</b>

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

## 4.2.2 List of basic sciences blocks

### 4.2.2.1 Mathematics block (min. .... 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
		<b>Total</b>																	

### 4.2.2.2 Physics block (min. .... 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
		<b>Total</b>																	

### 4.2.2.3 Chemistry block (min. .... 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
		<b>Total</b>																	

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

### Altogether for basic sciences blocks:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					

## 4.2.3 List of main-field-of-study blocks

### 4.2.3.1 Training and Diploma dissertation block (min. 22 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8023S	Diploma seminar					1	KI_ZARZ_U14 KI_ZARZ_U15 KI_ZARZ_U16 KI_ZARZ_K01	15	25	1	1	0,6	T/Z	Z		DN	P	K
2	W08ZZZ- SL8093D	Bachelor thesis					2	KI_ZARZ_U02 KI_ZARZ_U03 KI_ZARZ_U04 KI_ZARZ_U05 KI_ZARZ_U06 KI_ZARZ_U07 KI_ZARZ_U14 KI_ZARZ_U15 KI_ZARZ_U26 KI_ZARZ_K01 KI_ZARZ_K06	30	400	16	16	8,0	T/Z	Z		DN	P	K
3	W08ZZZ- SL8082Q	Internship (4th lub 5th semester)						KI_ZARZ_K08	0	150	5		0,0	T	Z			P	K
Total			<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>		<b>45</b>	<b>575</b>	<b>22</b>	<b>17</b>	<b>8,6</b>						

### Altogether for main-field-of-study blocks:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>45</b>	<b>575</b>	<b>22</b>	<b>17</b>	<b>8,6</b>

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses



## 4.2.4 List of specialization blocks

### 4.2.4.1 Specialization subjects (min. 28 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	W08ZZZ- SL8073W	Contemporary organizational methods and techniques	1					K1_ZARZ_W07 K1_ZARZ_W17 K1_ZARZ_W28	15	25	1	1	0,6	T/Z	Z		DN		S
2	W08ZZZ- SL8073C	Contemporary organizational methods and techniques		1				K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K04	15	25	1	1	0,6	T/Z	Z		DN	P	S
3	W08ZZZ- SL8067W	Financial accounting in the organizational decision making process	2					K1_ZARZ_W11 K1_ZARZ_W28	30	50	2	2	1,2	T/Z	Z		DN		S
4	W08ZZZ- SL8067C	Financial accounting in the organizational decision making process		1				K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K04 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	S
5	W08ZZZ- SL8092W	Introduction to risk management	1					K1_ZARZ_W25 K1_ZARZ_W28	15	25	1	1	0,6	T/Z	Z		DN		S
6	W08ZZZ- SL8092C	Introduction to risk management		1				K1_ZARZ_U05 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	S
7	W08ZZZ- SL8025W	Leading project in modern organizations	2					K1_ZARZ_W21 K1_ZARZ_W28	30	75	3	3	1,2	T/Z	E		DN		S
8	W08ZZZ- SL8025C	Leading project in modern organizations		1				K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K02 K1_ZARZ_K03 K1_ZARZ_K05 K1_ZARZ_K06	15	25	1	1	0,6	T/Z	Z		DN	P	S
9	W08ZZZ- SL8014W	Marketing in the information society	2					K1_ZARZ_W09 K1_ZARZ_W10 K1_ZARZ_W28	30	100	4	4	1,2	T/Z	E		DN		S
10	W08ZZZ- SL8014C	Marketing in the information society		2				K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	S
11	W08ZZZ- SL8085W	Methods and Tools of Data Analysis	1					K1_ZARZ_W25 K1_ZARZ_W26 K1_ZARZ_W28	15	25	1	1	0,6	T/Z	Z		DN		S
12	W08ZZZ- SL8085L	Methods and Tools of Data Analysis			1			K1_ZARZ_U05 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01 K1_ZARZ_K06	30	50	2	2	1,2	T/Z	Z		DN	P	S

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

13	W08ZZZ-SL8086W	Modern human resource management	2						K1_ZARZ_W09 K1_ZARZ_W12 K1_ZARZ_W28	30	50	2	2	1,2	T/Z	Z		DN		S
14	W08ZZZ-SL8086L	Modern human resource management	2						K1_ZARZ_U10 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01 K1_ZARZ_K04	30	60	2	2	1,2	T/Z	Z		DN	P	S
15	W08ZZZ-SL8096S	Management of knowledge					2		K1_ZARZ_U02 K1_ZARZ_U07 K1_ZARZ_U09 K1_ZARZ_K05	30	50	2	2	1,2	T/Z	Z		DK	P(2)	S
16	W08ZZZ-SL8097S	The microstructure of the global financial market					2		K1_ZARZ_U04 K1_ZARZ_U05 K1_ZARZ_U11 K1_ZARZ_K07	30	50	2	2	1,2	T/Z	Z		DN	P	K
<b>Total</b>			<b>11</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>4</b>			<b>375</b>	<b>710</b>	<b>28</b>	<b>28</b>	<b>15</b>						

#### 4.2.4.2 Specialization liberal blocks (diploma profile) (min. 24 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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practical <sup>6</sup>	Type <sup>7</sup>
1	ZZZ-SL2ZOM01CS1	Computer science module	8		7				225	400	16	16	9,6	T/Z	Z		DN	P(8)	S
2	ZZZ-SL3ZOM02ES	Economic science module	2	1					45	100	4	4	1,8	T/Z	Z		DN	P(2)	S
3	ZZZ-SL4ZOM02LS	Legal science module	2	2					60	100	4	4	2,4	T/Z	Z		DN	P(2)	S
<b>Total</b>			<b>12</b>		<b>10</b>				<b>330</b>	<b>600</b>	<b>24</b>	<b>24</b>	<b>13,8</b>						

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

## Blocks

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					Learning effect symbol	Number of hours		Number of ECTS points			Form <sup>2</sup> of course/gr oup of courses	Way <sup>3</sup> of crediting	Course/group of courses			
			lec	cl	lab	pr	sem		ZZU	CNPS	Total	DN <sup>5</sup> classes	BU <sup>1</sup> classes			University -wide <sup>4</sup>	Concerning scientific activities <sup>5</sup>	Practi cal <sup>6</sup>	Type <sup>7</sup>
	<b>ZZZ- SL2ZOM01CS1</b>	<b>Computer science module (2 semester)</b>	2		2			K1_ZARZ_W25 K1_ZARZ_W26 K1_ZARZ_W28 K1_ZARZ_U12 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K06	60	100	4	4	2,4						
1	W08ZZZ-SL8063W	Data processing technology	2						30	50	2	2	0,7	T/Z	Z		DN		S
2	W08ZZZ-SL8063L	Data processing technology			2				30	50	2	2	1,4	T/Z	Z		DN	P	S
3	W08ZZZ-SL8064W	Introduction to SQL	2						30	50	2	2	0,7	T/Z	Z		DN		S
4	W08ZZZ-SL8064L	Introduction to SQL			2				30	50	2	2	1,4	T/Z	Z		DN	P	S
	<b>ZZZ- SL3ZOM01CS2</b>	<b>Computer science module (3 semester)</b>	2		2			K1_ZARZ_W25 K1_ZARZ_W27 K1_ZARZ_W28 K1_ZARZ_U05 K1_ZARZ_U12 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K02	60	100	4	4	2,4						
1	W08ZZZ-SL8069W	Programming basics - Python	2						30	50	2	2	1,2	T/Z	Z		DN		S
2	W08ZZZ-SL8069L	Programming basics - Python			2				30	50	2	2	1,2	T/Z	Z		DN	P	S
3	W08ZZZ-SL8070W	Programming basics - VBA	2						30	50	2	2	1,2	T/Z	Z		DN		S
4	W08ZZZ-SL8070L	Programming basics - VBA			2				30	50	2	2	1,2	T/Z	Z		DN	P	S
	<b>ZZZ- SL4ZOM01CS3</b>	<b>Computer science module (4 semester)</b>	2		2			K1_ZARZ_W25 K1_ZARZ_W28 K1_ZARZ_U04 K1_ZARZ_U12 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01	60	100	4	4	2,4						
1	W08ZZZ-SL8076W	Investigation of MIS requirements	1						15	25	1	1	0,6	T/Z	Z		DN		S
2	W08ZZZ-SL8076C	Investigation of MIS requirements		1					15	25	1	1	0,6	T/Z	Z		DN	P	S
3	W08ZZZ-SL8077W	Methods of management information systems modeling	1						15	25	1	1	0,6	T/Z	Z		DN		S
4	W08ZZZ-SL8077L	Methods of management information systems modeling			1				15	25	1	1	0,6	T/Z	Z		DN	P	S
5	W08ZZZ-SL8078W	Information Systems Analysis	1						15	25	1	1	0,6	T/Z	Z		DN		S
6	W08ZZZ-SL8078P	Information Systems Analysis				1			15	25	1	1	0,6	T/Z	Z		DN	P	S
	<b>ZZZ- SL5ZOM01CS4</b>	<b>Computer science module (5 semester)</b>	2		1			K1_ZARZ_W25 K1_ZARZ_W28 K1_ZARZ_U12 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01 K1_ZARZ_K03	45	100	4	4	1,8						

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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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

1	W08ZZZ-SL8087W	Software project in management	2						30	50	2	2	1,2	T/Z	Z		DN		S	
2	W08ZZZ-SL8087L	Software project in management		1					15	50	2	2	0,6	T/Z	Z		DN	P	S	
3	W08ZZZ-SL8088W	IT Tools in Project Management	2						30	50	2	2	1,2	T/Z	Z		DN		S	
4	W08ZZZ-SL8088L	IT Tools in Project Management		1					15	50	2	2	0,6	T/Z	Z		DN	P	S	
	<b>ZZZ-SL3ZOM02ES</b>	<b>Economic science module (3 semester)</b>	<b>2</b>	<b>1</b>					<b>45</b>	<b>100</b>	<b>4</b>	<b>4</b>	<b>1,8</b>							
								K1_ZARZ_W03 K1_ZARZ_W11 K1_ZARZ_W28 K1_ZARZ_U03 K1_ZARZ_U05 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01												
1	W08ZZZ-SL8071W	Financial Engineering	2						30	50	2	2	1,2	T/Z	Z		DN		S	
2	W08ZZZ-SL8071C	Financial Engineering		1					15	50	2	2	0,6	T/Z	Z		DN	P	S	
3	W08ZZZ-SL8072W	Market Structures and their Regulation	2						30	50	2	2	1,2	T/Z	Z		DN		S	
4	W08ZZZ-SL8072C	Market Structures and their Regulation		1					15	50	2	2	0,6	T/Z	Z		DN	P	S	
	<b>ZZZ-SL4ZOM02LS</b>	<b>Legal science module (4 semester)</b>	<b>2</b>	<b>2</b>					<b>60</b>	<b>100</b>	<b>4</b>	<b>4</b>	<b>2,4</b>							
								K1_ZARZ_W03 K1_ZARZ_W04 K1_ZARZ_W22 K1_ZARZ_W28 K1_ZARZ_U06 K1_ZARZ_U15 K1_ZARZ_U16 K1_ZARZ_U18 K1_ZARZ_K01 K1_ZARZ_K04 K1_ZARZ_K06												
1	W08ZZZ-SL8079W	Business on the EU market	1						15	25	1	1	0,6	T/Z	Z		DN		S	
2	W08ZZZ-SL8079C	Business on the EU market		1					15	25	1	1	0,6	T/Z	Z		DN	P	S	
3	W08ZZZ-SL8080W	International law	1						15	25	1	1	0,6	T/Z	Z		DN		S	
4	W08ZZZ-SL8080C	International law		1					15	25	1	1	0,6	T/Z	Z		DN	P	S	
5	W08ZZZ-SL8081W	Management and protection of intellectual property	1						15	25	1	1	0,6	T/Z	Z		DN		S	
6	W08ZZZ-SL8081C	Management and protection of intellectual property		1					15	25	1	1	0,6	T/Z	Z		DN	P	S	
<b>Total</b>			<b>12</b>	<b>10</b>					<b>330</b>	<b>600</b>	<b>24</b>	<b>24</b>	<b>13,2</b>							

### Altogether for liberal specialization blocks:

Total number of hours					Total number of ZZU hours	Total number of CNPS hours	Total number of ECTS points	Total number of ECTS points for DN classes <sup>5</sup>	Number of ECTS points for BU classes <sup>1</sup>
lec	cl	lab	pr	sem					
<b>23</b>	<b>23</b>				<b>705</b>	<b>1310</b>	<b>52</b>	<b>52</b>	<b>28,8</b>

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

### 4.3 Training block - concerning principles of training crediting

The principles of training crediting are an integral part of the Faculty Quality Assurance System - process No. 7 “Carrying out student training” instruction No. 07-00-00-01-00, the update of which was approved by Resolution 56/5/2021–2024 of the Faculty Council of 29/03/2022.

#### Opinion of the Faculty Council concerning the rules of crediting training block

Name of training		Training crediting mode	Code
Number of ECTS points	Number of ECTS points for BU <sup>1</sup> classes		
5	0	<p>Internships can be organized as individual or in mode of recognition of the paid work performed by the student as part of the internship, if the field of study is compatible with the nature of the student's work (required period of employment - minimum three months). The basis for completing the student’s internship</p> <p>1. in an individual mode is:</p> <ul style="list-style-type: none"> <li>– certificate from the company or institution where the internship took place containing: the actual duration of the internship and an opinion on its course (Annex 3 to process No. 7 “Carrying out student training” instruction No. 07-00-00-00-00),</li> <li>– a written report documenting the results of the practice (Annex 4 to process No. 7 “Carrying out student training” instruction No. 07-00-00-00-00),</li> </ul> <p>2. under the recognition procedure performed by the student gainful employment as part of the internship is:</p> <ul style="list-style-type: none"> <li>– certificate from the enterprise confirming the fact of employing the student, time of employment and description of the basic tasks performed by the student,</li> <li>– certificate of completion of an internship (internship) organized by AIESEC or another students organizations of a similar nature. Recognition of the traineeship organized by students organizations require documentation to be provided to the Vice-Dean for Students; documents in the following languages are required: Polish, English or German.</li> </ul> <p>The internship in the student's electronic record book is credited by the Dean (Vice-Dean for Students) or a person designated by him after getting acquainted with the opinion of the student's intership supervisor and / or documentation regarding the course of the internship.</p>	W08ZZZ-SL8082Q

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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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

<b>Training duration</b>	<b>Training objective</b>
<b>4 weeks</b>	<p>The aim of student internships at the Faculty of Management is preparing students for future professional employment, as well as developing the skills and carrying out the tasks required in a chosen functional area of an organization - in accordance with the stated goals of work practice, in particular:</p> <ul style="list-style-type: none"> <li>– acquainting the student with the specificity of the professional environment and the rules of functioning business entities,</li> <li>– getting acquainted with the technique of keeping documentation for individual work positions and its proper conduct,</li> <li>– learning the principles of work organization: organizational structures, division of competences, procedures, work planning and control,</li> <li>– shaping the ability to work in teams of people, especially effective communication, preparation for independent work and decision making,</li> <li>– shaping specific professional skills directly related with the place of internship,</li> <li>– verification, development and practical application of acquired during the studies substantive skills,</li> <li>– improving the skills of organizing own work, team work and effective work time management, diligence, responsibility for entrusted tasks,</li> <li>– developing activity, entrepreneurship and team cooperation skills,</li> <li>– gaining experience, knowledge about the labor market and the required skills at work, as well as making a self-assessment of the student's skills to enhance the possibility of successfully competing in the labor market.</li> </ul>

#### 4.4 „Diploma dissertation” block *(if it is foreseen at first level studies)*

<b>Type of diploma dissertation</b>	<b>Licencjat</b>	
<b>Number of diploma dissertation semesters</b>	<b>Number of ECTS points</b>	<b>Code</b>
<b>2</b>	<b>1</b> <b>16</b>	<b>W08ZZZ-SL8023S Diploma seminar</b> <b>W08ZZZ-SL8093D Bachelor thesis</b>
<b>Character of diploma dissertation</b>		
<b>Literature survey, project, computer program, etc.</b>		
<b>Number of BU<sup>1</sup> ECTS points</b>	<b>8,6</b>	

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

## 5. Ways of verifying assumed learning outcomes

Type of classes	Ways of verifying assumed learning outcomes
lecture	Examination or test - multiple choice questions with single or multiple answers; open questions
class	Test (multiple choice and/or open questions); written reports in the form of presentations - literature and case studies, diagnostic and/or project reports - empirical research in real organizations, presenting the opinions of representatives of such organizations; spoken presentations using modern presentation technology
laboratory	Technical report or test
project	Written report documenting the diagnosis and solution of a problem, spoken presentation of the project with questions.
seminar	Choice and formulation of a problem/theme; activeness in discussions, written report in an academic style, essay, "mini"-monograph. Spoken presentations using modern presentation technology
work placement	Written report on the work practice given by the student's placement supervisor, confirmation of the completion and nature of the work placement by the employer
diploma thesis	Written report satisfying the current regulations for diploma theses, assessed by the supervisor and a reviewer using an appropriate form.
diploma examination	Spoken presentation of the results of the diploma thesis, answers to questions given by the examination committee, spoken answers to randomly chosen questions from the set appearing in the program of studies.

## 6. Range of diploma examination

1. Origin and evolution of organizational sciences.
2. Economic sciences – scope and relation to social and technical sciences.
3. Types of economic systems and their elements.
4. Indexes for comparing economies and their usefulness in making decisions at the level of enterprises.
5. The Program of the Single European Market and its influence on the activities of enterprises.
6. Markets and their elements according to classical and liberal economics.
7. Market structures - perfect competition, monopolistic competition, oligopoly, monopoly
8. Theory of the regulatory actions made by government (e.g. the theory of market failures).
9. The essence and features of commercial law. Subjects of commercial law.

<sup>1</sup>BU – number of ECTS points assigned to hours of classes requiring direct participation of academic teachers and other persons conducting classes

<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses

10. Protection of rights, including intellectual property, in the market operations of an enterprise.
11. Legislative protection of competition and of consumers.
12. Creating and liquidating enterprises. Bankruptcy proceedings and rectification proceedings.
13. Intellectual property –its essence, elements, licence agreements as an instrument of the commercialization of intellectual property.
14. An organization’s life-cycle – phases and its determinants.
15. Elements of an organization – people, technology, processes, structures.
16. Legal, organizational and ownership forms of enterprises.
17. Organizational resources, potential and assets.
18. Legal determinants of enterprise operations in the areas of employment, insurance, environmental protection, agreements with contracting parties, etc.
19. Social, economic and political determinants of organizational behavior – national and global dimensions.
20. An enterprise’s cooperation with other entities: the essence and forms of cooperation, cooperatives and alliances.
21. The essence, aims and functions of management.
22. Management methods and techniques - classification criteria, examples of the application of selected methods or techniques.
23. Management as an information and decision-making process.
24. Factors influencing organizational structures.
25. Organizational structure – determinants and directions of evolution.
26. Definition and generic classification of processes. Identifying, mapping, designing and implementing processes.
27. The functional and process forms of the organization of an enterprise.
28. Models and standardization of processes. Methods of evaluating processes.
29. Aims, phases and tools of marketing management.
30. The marketing-mix as a concept for influencing the market.
31. The scope and functioning of marketing research, its procedures and methods.
32. Applied financial analysis – assessment of liquidity, profitability, assets and equity structure.
33. Capital investment – material and cash investments. Methods of evaluating the productivity of investments.
34. Company assets and capital – balance sheet. Revenue and expenditure – financial results. Cash flow statement.
35. The fundamentals of bookkeeping. Accounting.
36. The sources and rules of financing a firm’s activities.
37. Periodic evaluation of employees and their professional development – goals, principles, procedures.
38. Job appraisal (essence, aims, methods) and wages (wage tables, wage forms, wage functions).
39. Principles of creating teams; the role of teams in organizations and the factors influencing their efficiency.
40. Goals and strategies of production management in a market economy.
41. Systems and processes of production and services – methods of production management.

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<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>DN - number of ECTS points assigned to the classes related to the University's academic activity in the discipline/disciplines to which the main field of study is assigned

<sup>6</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>7</sup>KO – general education courses, PD – basic sciences courses, K – main field of study courses, S – specialization courses



42. The essence of logistics, its fundamentals and levels of integration of logistic processes.
43. Management, planning and organization of logistic processes in an organization.
44. Goals and stages of DMAIC methodology (Define – Measure – Analyze – Improve – Control) used in the Six Sigma approach.
45. Techniques and methods of quality improvement. Costs of quality control.
46. Total Quality Management (TQM) and quality management systems according to ISO 9000 norms – basic differences.
47. Methods of diagnosing and improving an enterprise's activities - examples of applications in various functional areas.
48. Popular methods of evaluating and selecting solutions to problems faced by organizations.
49. Leadership as goal attainment. The influence of motivation on human behaviour.
50. The essence of motivation and motivating. Theories of motivation and their characteristics.
51. Processes of social integration in an organization.
52. Organizational norms and values as determinants of ethical behavior of employees in organizations.
53. Interpersonal conflicts – within and between groups. Group cohesion.
54. Organizational culture and the ethics of organizational behavior.
55. Sources and manifestations of power in an organization. Authority, influence, coalitions. leadership.
56. Forces that generate changes in an enterprise - models of managing change.
57. Process of implementing changes in an organization - the sources of resistance to change and ways to neutralize them.
58. The definition and initiation of projects. Evaluation of project feasibility. Analysis of project risk. Project structure.
59. The essence and roles of projects in management. The essence and types of projects. Project life cycle.
60. Project realization and resource planning. Project budgeting. Managing the realization of a project. Organization of a project team.
61. The essence and types of entrepreneurship, determinants of its initiation and development.
62. The essence and types of innovation, organisations and institutions supporting the diffusion of innovation.
63. The influence of the physical environment at work on employees.
64. Mathematical methods applied in management – examples of applications.
65. Multicriteria analysis in decision-making – examples of problems and methods of problem solving.
66. Intelligent management systems – general characteristics, examples of application.
67. Analysis and forecasting of development trends – examples of applications.
68. Classical linear regression models – examples of applications in management.
69. Process of implementing and exploiting information systems in management.
70. The design of management information systems: assumptions, phases, rules and tools.
71. Assumptions and aims of an enterprise's strategy for applying computerization.
72. Financial analysis (including ratio analysis) of corporate financial statement, as a tool for planning and decision making.
73. Traditional methodologies and agile methodologies for project management – brief characteristic and main differences.

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- 74. Modern methods and tools of human resources management - characteristics and application.
- 75. The basic idea behind Markowitz's portfolio theory. The risk-return relationship for stocks and risk-less bonds.
- 76. Value-at-risk (VaR) - the difference in calculating it using historical simulation and the variance covariance method.
- 77. The methods of capturing user requirements for the analysis and modelling of processes in an organisation.
- 78. Approaches to improving information processes in an organisation.
- 79. Differences between Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) systems.
- 80. The role of Decision Trees in supporting decision making.

### **7. Requirements concerning deadlines for crediting courses/groups of courses for all courses in particular blocks**

<i>No.</i>	<i>Course / group of courses code</i>	<i>Name of course / group of courses</i>	<i>Crediting by deadline of... (number of semester)</i>

### **8. Plan of studies (attachment no. 3 to the Program of Studies)**

Approved by faculty student government legislative body:

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

.....  
Date    Dean's signature

\*delete as appropriate

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