Zał. nr 3 do ZW 64/2012 Attachment no. ... to Programme of Studies

PLAN OF STUDIES

FACULTY: COMPUTER SCIENCE AND MANAGEMENT

MAIN FIELD OF STUDY: MANAGEMENT

EDUCATION LEVEL: 1st level, Bachelor of Sciences

FORM OF STUDIES: full-time

PROFILE: general academic

SPECIALIZATION: Management of Enterprise

LANGUAGE OF STUDY: Polish

Faculty Council Resolution of 23.04.2013

In effect since 1st of October, 2013

*delete as applicable

Plan of studies structure (optionally)

1) in point layout (space for scheme of plan)

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

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

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

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

 $^{^{2}}$ Traditional – enter T, remote – enter Z

 $^{{}^{3}}$ Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

Semester 1

| No. | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | er of hours | Num | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|-----|--------------------|--|-----|------|------|-------|-------|----------------------|-------|-------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | symbol | | | | | | | | | | |
| 1 | EKZ1126W | MICROECONOMICS | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | E | | | K | Ob |
| 2 | EKZ1126C | MICROECONOMICS | | 2 | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 3 | ZMZ1116W | Fundamentals of Management | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | E | | | K | Ob |
| 4 | ZMZ1116C | Fundamentals of Management | | 2 | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 5 | PRZ1120W | Civil law and commercial law | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 6 | PRZ1120C | Civil law and commercial law | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| 7 | PSZ1117W | Psychology | 2 | | | | | | 30 | 30 | 1 | 1,0 | Т | Z | | | KO | Ob |
| 8 | IEZ1146W | Information Technology | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 9 | IEZ1146L | Information Technology | | | 1 | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| | | Total | 10 | 5 | 1 | 0 | 0 | | 240 | 630 | 21 | 8,0 | | | | | | |

Obligatory courses number of ECTS points ...21....

Groups of obligatory courses number of ECTS points ...9....

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | ber of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|---|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| 1 | MAP8010 | Mathematics 1 for Economists (GK) | 2 | 2 | | | | K1_ZARZ_W23 K1_ZARZ_U15 K1_ZARZ_U14 | 60 | 270 | 9 | 2,0 | Т | Е | | | PD | Ob. |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | 2 | 2 | 0 | 0 | 0 | | 60 | 270 | 9 | 2,0 | | | | | | |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

Optional courses (minimum hours in semester, ECTS points)

| No. | . Course/group | Name of course/group of courses | Weekl | y numb | er of | hours | Field-of- | Numbe | r of hours | Numł | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|-----|--------------------|--|--------|--------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

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

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | ber of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

Altogether in semester

| | Тс | otal number o | of hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|----|---------------|----------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 12 | 7 | 1 | 0 | 0 | 300 | 900 | 30 | 10,0 |

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

²Traditional – enter T, remote – enter Z

³Exam – 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) ⁴University-wide course /group of courses – enter O

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

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

Obligatory courses number of ECTS points 22.....

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numł | er of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cour | rses | |
|----|--------------|---|-----|------|------|-------|-------|----------------------|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses | (denote group of courses with symbol CK) | lec | cl | lab | pr | sem | study educational | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | couc | symbol GR) | | | | | | effect symbol | | | | | | | | | | |
| 1 | FZZ1103W | Physics of Work Environment | 1 | | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | | PD | Ob |
| 2 | FZZ1103C | Physics of Work Environment | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | PD | Ob |
| 3 | FZZ1103L | Physics of Work Environment | | | 1 | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | PD | Ob |
| 4 | EKZ1125W | MACROECONOMICS | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | E | | | K | Ob |
| 5 | EKZ1125C | MACROECONOMICS | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| 6 | ZMZ1117W | Organizational Science | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 7 | ZMZ1117C | Organizational Science | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 8 | FBZ1148W | Basics of finance | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 9 | SCZ1109W | Sociology | 2 | | | | | | 30 | 30 | 1 | 1,0 | Т | Z | | | KO | Ob |
| 10 | MAZ1127W | Descriptive Statistics | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | E | | | PD | Ob |
| 11 | MAZ1127C | Descriptive Statistics | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | PD | Ob |
| | | Total | 11 | 4 | 1 | 0 | 0 | | 240 | 660 | 22 | 8,0 | | | | | | |

Groups of obligatory courses number of ECTS points

| No | Course/group | Name of course/group of courses | Wee | kly | numb | er of | hours | Field-of- | Numbe | r of hours | Numb | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|-----|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

Optional courses (minimum ...105... hours in semester, ...8.... ECTS points)

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Num | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| 1 | WFW | Sport activities | | 2 | | | | | 30 | 30 | 1 | 1,0 | Т | Z | 0 | Р | KO | W |
| 2 | | Computer science module | 1 | | 2 | | | | 45 | 120 | 4 | 1,5 | Т | Z | | | S | W |
| 3 | | Social competences module | | | | | 2 | | 30 | 90 | 3 | 1,0 | Т | Z | | Р | KO | W |
| | | Total | 1 | 2 | 2 | 0 | 2 | | 105 | 240 | 8 | 3,5 | | | | | | |

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

| No | Course/group | Name of course/group of courses | Weel | cly nu | mber | of hours | Field-of- | Numbe | er of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|------|--------|------|----------|---|-------|-------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl la | b ţ | or ser | study educationa effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

Altogether in semester

| | Τc | otal number o | of hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|----|---------------|----------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 12 | 6 | 3 | 0 | 2 | 345 | 900 | 30 | 11,5 |

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

²Traditional – enter T, remote – enter Z

³Exam – 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) ⁴University-wide course /group of courses – enter O

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

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

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of I | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cour | rses | |
|----|--------------|---------------------------------|-----|------|------|---------|-------|-------------|-------|------------|-------|-------------------------|----------------------|---------------------|------------------------------|-------------|-------------------|-------------------|
| | of courses | (denote group of courses with | lec | cl | lab | pr | sem | study | ZZU | CNPS | total | BK classes ¹ | course/group | crediting | university-wide ⁴ | practical5 | kind ⁶ | type ⁷ |
| | code | symbol GK) | | | | | | educational | | | | | of courses | | · | | 1 ' | |
| | | | | | | | | symbol | | | | | | | | | | |
| 1 | MAZ1126W | Economical mathematics | 2 | | | | | ~j | 30 | 120 | 4 | 1,0 | Т | Е | | | PD | Ob |
| 2 | MAZ1126C | Economical mathematics | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | PD | Ob |
| 3 | ZMZ2113W | Basic marketing | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | E | | | K | Ob |
| 4 | ZMZ2113C | Basic marketing | | 2 | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 5 | FBZ2108W | Financial accounting | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 6 | FBZ2108C | Financial accounting | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| 7 | SCZ2102W | Organizational Behaviour | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 8 | SCZ2102C | Organizational Behaviour | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| | | Total | 8 | 5 | 0 | 0 | 0 | | 195 | 600 | 20 | 6,5 | | | | | | |
| | | | | | | | | | | | | | | | | | <u>ا ا ا ا</u> | í |

Obligatory courses number of ECTS points ...20....

Groups of obligatory courses number of ECTS points

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

Optional courses (minimum ...165... hours in semester, ...10.... ECTS points)

| | | | | | 0 | |
|------------------------------|--------------------------------------|-----------------|-----------------|-----------------------|--|---------------------------|
| No Course/group Name of cour | se/group of courses Weekly number of | hours Field-of- | Number of hours | Number of ECTS points | Form ² of Way ³ of | f Course/group of courses |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

| | of courses | (denote group of courses with | lec | cl | lab | pr | sem | study | ZZU | CNPS | total | BK classes ¹ | course/group | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
|---|------------|-------------------------------|-----|----|-----|----|-----|-----------------------|-----|------|-------|-------------------------|--------------|-----------|------------------------------|------------------------|-------------------|-------------------|
| | code | symbol GK) | | | | | | educational effect | | | | | of courses | | | | | |
| | | | | | | | | symbol | | | | | | | | | | |
| 1 | JZL | Foreign language B2.1 | | 4 | | | | | 60 | 60 | 2 | 2 | Т | Z | 0 | Р | KO | W |
| 2 | | Computer science module | 2 | | 2 | | | | 60 | 120 | 4 | 2 | Т | Z | | | S | W |
| 3 | | Economic science module | 2 | 1 | | | | | 45 | 120 | 4 | 1,5 | Т | Z | | | S | W |
| | | Total | 4 | 5 | 2 | 0 | 0 | | 165 | 300 | 10 | 5,5 | | | | | | |

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

| No | Course/group | Name of course/group of courses | Wee | kly num | ber of | hours | Field-of- | Numbe | r of hours | Num | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|---------|--------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

Altogether in semester

| | Tota | ll number of | hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|------|--------------|-------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 12 | 10 | 2 | 0 | 0 | 360 | 900 | 30 | 12,0 |

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

²Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

Obligatory courses number of ECTS points ...20....

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Num | ber of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cour | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--------------------------------|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | symbol | | | | | | | | | | |
| 1 | FBZ2110W | Corporate finance | 2 | | | | | | 30 | 90 | 3 | 1,0 | Т | E | | | K | Ob |
| 2 | FBZ2110C | Corporate finance | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| 3 | ZMZ1230W | Logistics | 1 | | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | | K | Ob |
| 4 | ZMZ1230C | Logistics | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 5 | ZMZ3129W | Organizational Methods and Techniques | 1 | | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | | K | Ob |
| 6 | ZMZ3129C | Organizational Methods and Techniques | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 7 | ZMZ1232Q | Internship (4th lub 5th semester) | | | | | | | 0 | 150 | 5 | 0,0 | Т | Z | | Р | K | Ob |
| 8 | ZMZ1241W | Marketing Management | 1 | | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | | K | Ob |
| 9 | ZMZ1241C | Marketing Management | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 10 | ZMZ1235W | Operations Management | 1 | | | | | | 15 | 60 | 2 | 0,5 | Т | E | | | K | Ob |
| 11 | ZMZ1235C | Operations Management | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 12 | ZMZ1235L | Operations Management | | | 1 | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| | | Total | 6 | 5 | 1 | 0 | 0 | | 180 | 600 | 20 | 6,0 | | | | | | |

Groups of obligatory courses number of ECTS points

| No | Course/group | Name of course/group of courses | Wee | kly 1 | umb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|-------|-----|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

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

²Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

Optional courses (minimum 180..... hours in semester, ...11.... ECTS points)

| No | Course/group | Name of course/group of courses | W | eekly | numb | er of | hours | Field-of- | Numbe | er of hours | Num | ber of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|-------|------|-------|-------|--|-------|-------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| 1 | JZL | Foreign language B2.2 | | 4 | | | | | 60 | 90 | 3 | 2,0 | Т | Z | 0 | Р | KO | W |
| 2 | | Computer science module | 2 | 2 | | | | | 60 | 120 | 4 | 2,0 | Т | Z | | | S | W |
| 3 | | Legal science module | 2 | 2 | | | | | 60 | 120 | 4 | 2,0 | Т | Z | | | S | W |
| | | Total | 4 | 8 | 0 | 0 | 0 | | 180 | 330 | 11 | 6,0 | | | | | | |

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

| No | Course/group | Name of course/group of courses | Weekl | y numł | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|--------|--------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

Altogether in semester

| | Tota | l number of | hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|------|-------------|-------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 10 | 13 | 1 | 0 | 0 | 360 | 930 | 31 | 12,0 |

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

²Traditional – enter T, remote – enter Z

³Exam – 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) ⁴University-wide course /group of courses – enter O

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

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

Obligatory courses number of ECTS points ...23....

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cour | rses | |
|----|--------------------|--|-----|------|------|-------|-------|----------------------|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | symbol | | | | | | | | | | |
| 1 | ZMZ1229W | Marketing Research | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 2 | ZMZ2114W | Methods and Tools of Data Analysis | 1 | | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | | K | Ob |
| 3 | ZMZ2114L | Methods and Tools of Data Analysis | | | 1 | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| 4 | ZMZ3206S | Diploma Seminar | | | | | 1 | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 5 | FBZ3108W | Financial Management | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 6 | FBZ3108C | Financial Management | | 1 | | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 7 | ZMZ1233W | Quality Management | 2 | | | | | | 30 | 90 | 3 | 1,0 | Т | E | | | K | Ob |
| 8 | ZMZ1233C | Quality Management | | 2 | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 9 | ZMZ3177W | Personnel Management | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| 10 | ZMZ3177C | Personnel Management | | 2 | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 11 | ZMZ1236W | Project Management | 2 | | | | | | 30 | 90 | 3 | 1,0 | Т | E | | | K | Ob |
| 12 | ZMZ1236C | Project Management | | 1 | | | | | 15 | 60 | 2 | 0,5 | Т | Z | | Р | K | Ob |
| | | Total | 11 | 6 | 1 | 0 | 1 | | 285 | 690 | 23 | 9,5 | | | | | | |

Groups of obligatory courses number of ECTS points

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

⁵Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses 6 KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

Optional courses (minimum ...75... hours in semester, ...6.... ECTS points)

| | | | | | | | , | | | | | | | | | | | |
|----|--------------------|--|-----|-------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| No | D Course/group | Name of course/group of courses | We | eekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cour | rses | |
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| 1 | | Marketing research module | | 2 | | | | | 30 | 90 | 3 | 1 | Т | Z | | Р | S | W |
| 2 | 2 | Computer science module | 2 | | 1 | | | | 45 | 90 | 3 | 1,5 | Т | Z | | | S | W |
| | | | | | | | | | | | | | | | | | | |
| | | Total | 2 | 2 | 1 | 0 | 0 | | 75 | 180 | 6 | 2,5 | | | | | | |

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

| No | Course/group | Name of course/group of courses | We | ekly | numb | er of | hours | Field-of- | Numbe | r of hours | Numl | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|------|------|-------|-------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | | |

Altogether in semester

| | To | otal number o | of hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|----|---------------|----------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 13 | 8 | 2 | 0 | 1 | 360 | 870 | 29 | 12,0 |

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

 2 Traditional – enter T, remote – enter Z

³Exam – 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) ⁴University-wide course /group of courses – enter O

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

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

Obligatory courses number of ECTS points ...27....

| No | Course/group | Name of course/group of courses | We | Weekly number of hours Fi | | er of | hours | Field-of- Number of hours | | Number of ECTS points | | Form ² of | Way ³ of | Course/gr | oup of cou | rses | | |
|----|--------------------|--|-----|---------------------------|-----|-------|-------|--|-----|-----------------------|-------|-------------------------|----------------------------|-----------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| 1 | FB73128W | Computer Aided Financial Analysis | 1 | | | | | symoor | 15 | 60 | 2 | 0.5 | т | 7 | | | к | Oh |
| 2 | FBZ3128L | Computer Aided Financial Analysis | | | 1 | | | | 15 | 60 | 2 | 0.5 | Ť | Z | | Р | ĸ | Ob |
| 3 | IEZ3112W | Management Information Systems | 2 | | | | | | 30 | 120 | 4 | 1,0 | Т | Е | | | К | Ob |
| 4 | IEZ3112L | Management Information Systems | | | 1 | | | | 15 | 30 | 1 | 0,5 | Т | Z | | Р | K | Ob |
| 5 | ZMZ1231D | Bachelor thesis | | | | 2 | | | 30 | 420 | 14 | 0,0 | Т | Z | | Р | K | Ob |
| 6 | ZMZ3133L | Management Training | | | 2 | | | | 30 | 60 | 2 | 1,0 | Т | Z | | Р | K | Ob |
| 7 | ZMZ1234W | Processes Management | 2 | | | | | | 30 | 60 | 2 | 1,0 | Т | Z | | | K | Ob |
| | | Total | 5 | 0 | 4 | 2 | 0 | | 165 | 810 | 27 | 4,5 | | | | | | |

Groups of obligatory courses number of ECTS points

| No | Course/group | Name of course/group of courses | Weel | Weekly number of hours F | | | Field-of- | ield-of- Number of hours | | | Number of ECTS points | | Way ³ of | f Course/group of courses | | | |
|----|--------------------|--|-------|--------------------------|------|-----|--|--------------------------|------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec o | el la |) pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

Optional courses (minimum ...30... hours in semester, ...3.... ECTS points)

| No Course/group Name of course/group of courses Weekly number of hours Field-of- Number of hours Number of ECTS points Form ² of Way ³ of | of Course/group of courses |
|---|----------------------------|
|---|----------------------------|

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

| | of courses code | (denote group of courses with symbol GK) | lec | cl | lab | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
|---|--------------------|--|-----|----|-----|----|-----|--|-----|------|-------|-------------------------|----------------------------|-----------|------------------------------|------------------------|-------------------|-------------------|
| 1 | | Diagnostic-design module | | | | 2 | | | 30 | 90 | 3 | 1,0 | Т | Z | | Р | K | W |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | Total | 0 | 0 | 0 | 2 | 0 | | 30 | 90 | 3 | 1,0 | | | | | | |

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

| No | Course/group | Name of course/group of courses | Wee | kly nun | ber of | fhours | Field-of- | Numbe | r of hours | Numł | per of ECTS points | Form ² of | Way ³ of | Course/gr | oup of cou | rses | |
|----|--------------------|--|-----|---------|--------|--------|--|-------|------------|-------|-------------------------|----------------------------|---------------------|------------------------------|------------------------|-------------------|-------------------|
| | of courses code | (denote group of courses with symbol GK) | lec | cl lat | pr | sem | study educational effect symbol | ZZU | CNPS | total | BK classes ¹ | course/group of courses | crediting | university-wide ⁴ | practical ⁵ | kind ⁶ | type ⁷ |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | | | | | | | | | | | | | | | |

Altogether in semester

| | Т | otal number o | of hours | | Total number of ZZU hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes ¹ |
|-----|----|---------------|----------|-----|---------------------------------------|-------------------------------------|--------------------------------------|--|
| lec | cl | lab | pr | sem | | | | |
| 5 | 0 | 4 | 4 | 0 | 195 | 900 | 30 | 5,5 |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

⁵Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses 6 KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

2. Set of examinations in semestral arrangement

| Course code | Names of courses ending with examination | Semester |
|------------------|--|----------|
| MAP8010 | Mathematics 1 for Economists (GK) | 1 |
| EKZ1126 W | MICROECONOMICS | 1 |
| ZMZ1116W | Fundamentals of Management | 1 |
| EKZ1125 W | MACROECONOMICS | 2 |
| MAZ1127W | Descriptive Statistics | 2 |
| MAZ1126W | Economical mathematics | 3 |
| ZMZ2113W | Basic Marketing | 3 |
| FBZ2110W | Corporate Finance | 4 |
| ZMZ1235W | Operations Management | 4 |
| ZMZ1233W | Quality Management | 5 |
| ZMZ1236W | Project Management | 5 |
| IEZ3112W | Management Information Systems | 6 |

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

| Semester | Allowable deficit of ECTS points after semester |
|----------|---|
| 1 | 15 |
| 2 | 21 |
| 3 | 12 |
| 4 | 11 |

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

 2 Traditional – enter T, remote – enter Z

 3 Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O

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

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

| 5 | 8 |
|---|---|
| 6 | 0 |

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

Opinion of student government legislative body

.....

Date Name and surname, signature of student representative

.....

Date Dean's signature

 1 BK – number of ECTS points assigned to hours of classes requiring direct contact of teachers with students 2 Traditional – enter T, remote – enter Z

⁵Practical course / group of courses – enter P. For the group of courses – in brackets enter the number of ECTS points assigned to practical courses 6 KO – general education, PD – basic sciences, K – field-of-studies, S – specialization

 $^{{}^{3}}$ Exam – enter E, crediting – enter Z. For the group of courses – after the letter E or Z - enter in brackets the final course form (lec, cl, lab, pr, sem) 4 University-wide course /group of courses – enter O