**Zał. nr 4 do ZW 25/2019**

**Attachment no. … to Program of Studies**

**PLAN OF STUDIES**

**FACULTY: Computer Science of Management**

**MAIN FIELD OF STUDY: Management**

**EDUCATION LEVEL: second-level studies / magister uniform studies**

**FORM OF STUDIES: full-time studies**

**PROFILE: general academic /practical**

**SPECIALIZATION Business Information Systems (BIS)**

**LANGUAGE OF STUDY: English**

Resolution no. … of the Senate of Wroclaw University of Science and Technology

In effect since 1.10.2019

\*delete as applicable

**Plan of studies structure (optionally)**

1) in point layout

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CNPS ECTS | CNPS ECTS | CNPS ECTS | CNPS ECTS |  |
|  | 900 30 | 870 29 | 960 32 | 870 29 |  |
| 18 |  | Management Information Systems Modeling  120 4 | Business Process Modeling  180 6 |  | 18 |
| 17 | Information Systems Analysis  30 1 |  | 17 |
| 16 | Internet Information Services  and Systems  120 4 | Management Information Systems  90 3 | Work environment physics II  60 2 | 16 |
| 15 | Business Object Modeling  120 4 | F. Language B2+  120 4 | 15 |
| 14 | Foreign Language  A1 or A2  60 2 | 14 |
| 13 | Management Accounting  120 4 | 13 |
| 12 | Business Data Analysis  120 4 | Data Mining  150 5 | 12 |
| 11 | Process Management  60 2 | Legal protection …  30 1  1OOOO | 11 |
| 1O | Logistics Management Tools  60 2 | Strategic Management  180 6 | 1O |
| 9 | Operations Research  120 4 | Discrete Optimization  and Network Flows  120 4 | Games and Decisions  in Management  150 5 | 9 |
| 8 | Management Ethics  90 3 | 8 |
| 7 | 7 |
| 6 | Legal protection of information  120 4 | Econometrics  120 4 | e-Economy  90 3 | MSc Thesis II  420 14 | 6 |
| 5 | Organizational Psychology  60 2 | 5 |
| 4 | Macroeconomic modeling  150 5 | Contemporary Management  180 6 | 4 |
| 3 | MSc Thesis I  150 5 | 3 |
| 2 | Business Statistics  120 4 | 2 |
| 1 | Seminar I  60 2 | Seminar II  60 2 | 1 |
|  | I | II | III | IV | Total |
|  | 17/255 | 18/270 | 18/270 | 17/255 | 70/1050 |

2) in hourly layout

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CNPS ECTS | CNPS ECTS | CNPS ECTS | CNPS ECTS |  |
|  | 900 30 | 870 29 | 960 32 | 870 29 |  |
| 18 |  | Management Information Systems  Modeling  1O1OO | Business Process Modeling  1O11O |  | 18 |
| 17 | Information Systems Analysis  1OOOO |  | 17 |
| 16 | Internet Information Services  and Systems  1O2OO | Management Information Systems  1O2O1 E | Work environment physics II  1OOOO | 16 |
| 15 | Business Object Modeling  1O2OO | F. Language B2+  O1OOO | 15 |
| 14 | Foreign Language  A1 or A2  O3OOO | 14 |
| 13 | Management Accounting  11OOO | 13 |
| 12 | Business Data Analysis  2O1OO | Data Mining  1OO2O E | 12 |
| 11 | Process Management  1OOOO | Legal protection …  1OOOO | 11 |
| 1O | Logistics Management Tools  1OOOO | Strategic Management  1OOO1 | 1O |
| 9 | Operations Research  1O2OO E | Discrete Optimization  and Network Flows  2O1OO | Games and Decisions  in Management  21OOO E | 9 |
| 8 | Management Ethics  2OOOO | 8 |
| 7 | 7 |
| 6 | Legal protection of information  11OOO | Econometrics  1OO1O | e-Economy  1OOOO | MSc Thesis II  [6] | 6 |
| 5 | Organizational Psychology  2OOOO | 5 |
| 4 | Macroeconomic modeling  11OOO E | Contemporary Management  21OOO E | 4 |
| 3 | MSc Thesis I  [2] | 3 |
| 2 | Business Statistics  1O1OO | 2 |
| 1 | Seminar I  OOOO1 | Seminar II  OOOO1 | 1 |
|  | I | II | III | IV | Total |
|  | 17/255 | 18/270 | 18/270 | 17/255 | 70/1050 |

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

**Semester 1**

**Obligatory courses / groups of courses Number of ECTS points …30…..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
| 1 | MAZ1202W | Business Statistics | 1 |  |  |  |  | K2\_ZARZ\_W07  K2\_ZARZ\_W13 | 15 | 60 | 2 | 0,5 | T | Z |  |  | PD | Ob |
| 2 | MAZ1202L | Business Statistics |  |  | 1 |  |  | K2\_ZARZ\_U03  K2\_ZARZ\_U08  K2\_ZARZ\_U11  K2\_ZARZ\_U12  K2\_ZARZ\_U14  K2\_ZARZ\_K09 | 15 | 60 | 2 | 0,5 | T | Z |  | P | PD | Ob |
| 3 | PRZ1206W | Legal protection of information | 1 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W10  K2\_ZARZ\_W12 | 15 | 60 | 2 | 0,5 | T | Z |  |  | PD | Ob |
| 4 | PRZ1206C | Legal protection of information |  | 1 |  |  |  | K2\_ZARZ\_U01  K2\_ZARZ\_U05  K2\_ZARZ\_U16  K2\_ZARZ\_U20  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 15 | 60 | 2 | 0,5 | T | Z |  | P | PD | Ob |
| 5 | IEZ1201W | Information Systems Analysis | 1 |  |  |  |  | K2\_ZARZ\_W05  K2\_ZARZ\_W06  S2\_BIS\_W05  K2\_ZARZ\_K06 | 15 | 30 | 1 | 0,5 | T | Z |  |  | S | Ob |
| 6 | IEZ1202W | Internet Information Services and Systems | 1 |  |  |  |  | S2\_BIS\_W03 | 15 | 60 | 2 | 0,5 | T | Z |  |  | S | Ob |
| 7 | IEZ1202L | Internet Information Services and Systems |  |  | 2 |  |  | S2\_BIS\_U05 | 30 | 60 | 2 | 1,0 | T | Z |  | P | S | Ob |
| 8 | ZMZ1402W | Logistics Management Tools | 1 |  |  |  |  | K2\_ZARZ\_W08  K2\_ZARZ\_W14  S2\_BIS\_W01  S2\_BIS\_W03  K2\_ZARZ\_U02  K2\_ZARZ\_U04  S2\_BIS\_U02  K2\_ZARZ\_K07 | 15 | 60 | 2 | 0,5 | T | Z |  |  | K | Ob |
| 9 | EKZ1183W | Macroeconomic modeling | 1 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W02  K2\_ZARZ\_W03  K2\_ZARZ\_W13 | 15 | 90 | 3 | 0,5 | T | E |  |  | PD | Ob |
| 10 | EKZ1183C | Macroeconomic modeling |  | 1 |  |  |  | K2\_ZARZ\_U01  K2\_ZARZ\_U04  K2\_ZARZ\_U14  K2\_ZARZ\_K01  K2\_ZARZ\_K02  K2\_ZARZ\_K08 | 15 | 60 | 2 | 0,5 | T | Z |  | P | PD | Ob |
| 11 | FBZ1201W | Management Accounting | 1 |  |  |  |  | K2\_ZARZ\_W06  K2\_ZARZ\_W08  K2\_ZARZ\_W11  S2\_BIS\_W02 | 15 | 60 | 2 | 0,5 | T | Z |  |  | K | Ob |
| 12 | FBZ1201C | Management Accounting |  | 1 |  |  |  | K2\_ZARZ\_U06  K2\_ZARZ\_U11  K2\_ZARZ\_U15  K2\_ZARZ\_U16  S2\_BIS\_U02  K2\_ZARZ\_K04 | 15 | 60 | 2 | 0,5 | T | Z |  | P | K | Ob |
| 13 | MAZ1201W | Operations Research | 1 |  |  |  |  | K2\_ZARZ\_W13  S2\_BIS\_W02 | 15 | 60 | 2 | 0,5 | T | E |  |  | K | Ob |
| 14 | MAZ1201L | Operations Research |  |  | 2 |  |  | K2\_ZARZ\_U10  K2\_ZARZ\_U18  S2\_BIS\_U02 | 30 | 60 | 2 | 1,0 | T | Z |  | P | K | Ob |
| 15 | ZMZ1201W | Process Management | 1 |  |  |  |  | K2\_ZARZ\_W04  K2\_ZARZ\_W06  K2\_ZARZ\_W07  K2\_ZARZ\_W14  S2\_BIS\_W04  S2\_BIS\_W05  K2\_ZARZ\_U04  K2\_ZARZ\_U15  K2\_ZARZ\_U16  S2\_BIS\_U04  K2\_ZARZ\_K05  K2\_ZARZ\_K06 | 15 | 60 | 2 | 0,5 | T | Z |  |  | K | Ob |
|  | | Total | **9** | **3** | **5** | **0** | **0** |  | **255** | **900** | **30** | **8,5** |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum …… hours in semester, ……. ECTS points)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Total number of hours | | | | | Total number of  ZZU  hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |
|  |  |  | **9** | **3** | **5** | **0** | **0** | **255** | **900** | **30** | **8,5** |

**Semester 2**

**Obligatory courses / groups of courses Number of ECTS points …29…..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
| 1 | IEZ1205W | Business Data Analysis | 2 |  |  |  |  | K2\_ZARZ\_W13  S2\_BIS\_W01 | 30 | 60 | 2 | 1,0 | T | Z |  |  | S | Ob |
| 2 | IEZ1205L | Business Data Analysis |  |  | 1 |  |  | K2\_ZARZ\_U14  S2\_BIS\_U01  K2\_ZARZ\_K05  K2\_ZARZ\_K08 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 3 | IEZ1206W | Discrete Optimization and Network Flows | 2 |  |  |  |  | K2\_ZARZ\_W08  K2\_ZARZ\_W13  S2\_BIS\_W02 | 30 | 60 | 2 | 1,0 | T | Z |  |  | S | Ob |
| 4 | IEZ1206L | Discrete Optimization and Network Flows |  |  | 1 |  |  | K2\_ZARZ\_U10  S2\_BIS\_U02  K2\_ZARZ\_K04  K2\_ZARZ\_K05 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 5 | MAZ1203W | Econometrics | 1 |  |  |  |  | K2\_ZARZ\_W07  K2\_ZARZ\_W13  S2\_BIS\_W01  S2\_BIS\_W02 | 15 | 60 | 2 | 0,5 | T | Z |  |  | K | Ob |
| 6 | MAZ1203P | Econometrics |  |  |  | 1 |  | K2\_ZARZ\_U03  K2\_ZARZ\_U08  K2\_ZARZ\_U11  K2\_ZARZ\_U12  K2\_ZARZ\_U14  S2\_BIS\_U01  S2\_BIS\_U02 | 15 | 60 | 2 | 0,5 | T | Z |  | P | K | Ob |
| 7 | ZMZ1228W | Contemporary Management | 2 |  |  |  |  | K2\_ZARZ\_W03  K2\_ZARZ\_W04  K2\_ZARZ\_W05  K2\_ZARZ\_W06  K2\_ZARZ\_W07  K2\_ZARZ\_W08  K2\_ZARZ\_W09  K2\_ZARZ\_W10  K2\_ZARZ\_W11 | 30 | 120 | 4 | 1,0 | T | E |  |  | PD | Ob |
| 8 | ZMZ1228C | Contemporary Management |  | 1 |  |  |  | K2\_ZARZ\_U02  K2\_ZARZ\_U03  K2\_ZARZ\_U04  K2\_ZARZ\_U06  K2\_ZARZ\_U07  K2\_ZARZ\_U08  K2\_ZARZ\_U09  K2\_ZARZ\_U15  K2\_ZARZ\_U16  K2\_ZARZ\_U17  K2\_ZARZ\_U18  K2\_ZARZ\_K01  K2\_ZARZ\_K02  K2\_ZARZ\_K04  K2\_ZARZ\_K06  K2\_ZARZ\_K07  K2\_ZARZ\_K08 | 15 | 60 | 2 | 0,5 | T | Z |  | P | PD | Ob |
| 9 | IEZ1204W | Management Information Systems | 1 |  |  |  |  | K2\_ZARZ\_W03  K2\_ZARZ\_W14  S2\_BIS\_W03 | 15 | 60 | 2 | 0,5 | T | E |  |  | S | Ob |
| 10 | IEZ1204L | Management Information Systems |  |  | 2 |  |  | K2\_ZARZ\_U05  K2\_ZARZ\_U13  S2\_BIS\_U04  S2\_BIS\_U05  K2\_ZARZ\_K01  K2\_ZARZ\_K02 | 30 | 60 | 2 | 1,0 | T | Z |  | P | S | Ob |
| 11 | IEZ1204S | Management Information Systems |  |  |  |  | 1 | K2\_ZARZ\_U05  K2\_ZARZ\_U13  S2\_BIS\_U04  S2\_BIS\_U05  K2\_ZARZ\_K01  K2\_ZARZ\_K02 | 15 | 30 | 1 | 0,5 | T | Z |  | P | S | Ob |
| 12 | IEZ1203W | Management Information Systems Modeling | 1 |  |  |  |  | S2\_BIS\_W04 | 15 | 60 | 2 | 0,5 | T | Z |  |  | S | Ob |
| 13 | IEZ1203L | Management Information Systems Modeling |  |  | 1 |  |  | S2\_BIS\_U03 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 14 | ZMZ2202S | Seminar I |  |  |  |  | 1 | K2\_ZARZ\_U04  K2\_ZARZ\_U16  K2\_ZARZ\_U18  K2\_ZARZ\_K01  K2\_ZARZ\_K08 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
|  | | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum …… hours in semester, ……. ECTS points)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Total number of hours | | | | | Total number of  ZZU  hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |
|  |  |  | **9** | **1** | **5** | **1** | **2** | **270** | **870** | **29** | **9,0** |

**Semester 3**

**Obligatory courses / groups of courses Number of ECTS points …32…..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
| 1 | IEZ2201W | Business Process Modeling | 1 |  |  |  |  | K2\_ZARZ\_W06  K2\_ZARZ\_W13  S2\_BIS\_W04 | 15 | 60 | 2 | 0,5 | T | Z |  |  | S | Ob |
| 2 | IEZ2201L | Business Process Modeling |  |  | 1 |  |  | K2\_ZARZ\_U13  S2\_BIS\_U05  K2\_ZARZ\_K02  K2\_ZARZ\_K06 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 3 | IEZ2201P | Business Process Modeling |  |  |  | 1 |  | K2\_ZARZ\_U13  S2\_BIS\_U05  K2\_ZARZ\_K02  K2\_ZARZ\_K06 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 4 | IEZ2205W | e-Economy | 1 |  |  |  |  | S2\_BIS\_W03 | 15 | 90 | 3 | 0,5 | T | Z |  |  | S | Ob |
| 5 | IEZ2203W | Data Mining | 1 |  |  |  |  | K2\_ZARZ\_W08  S2\_BIS\_W01 | 15 | 90 | 3 | 0,5 | T | E |  |  | S | Ob |
| 6 | IEZ2203P | Data Mining |  |  |  | 2 |  | K2\_ZARZ\_U03  S2\_BIS\_U01  K2\_ZARZ\_K01  K2\_ZARZ\_K02  K2\_ZARZ\_K05 | 30 | 60 | 2 | 1,0 | T | Z |  | P | S | Ob |
| 7 | IEZ2204W | Games and Decisions in Management | 2 |  |  |  |  | S2\_BIS\_W02 | 30 | 90 | 3 | 1,0 | T | E |  |  | S | Ob |
| 8 | IEZ2204C | Games and Decisions in Management |  | 1 |  |  |  | S2\_BIS\_U02 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
| 9 | ZMZ2205P | MSc Thesis I |  |  |  | 2 |  | K2\_ZARZ\_W06  K2\_ZARZ\_W09  K2\_ZARZ\_W10  K2\_ZARZ\_U03  K2\_ZARZ\_U04  K2\_ZARZ\_U06  K2\_ZARZ\_U14  K2\_ZARZ\_U16  K2\_ZARZ\_U17  K2\_ZARZ\_K01  K2\_ZARZ\_K09 | 30 | 150 | 5 | 0,0 | T | Z |  | P | S | Ob |
| 10 | IEZ2206W | Business Object Modeling | 1 |  |  |  |  | K2\_ZARZ\_W05  K2\_ZARZ\_W06  K2\_ZARZ\_W08  S2\_BIS\_W04  S2\_BIS\_W05 | 15 | 60 | 2 | 0,5 | T | Z |  |  | S | Ob |
| 11 | IEZ2206L | Business Object Modeling |  |  | 2 |  |  | K2\_ZARZ\_U07  K2\_ZARZ\_U13  S2\_BIS\_U03  K2\_ZARZ\_K04  K2\_ZARZ\_K05  K2\_ZARZ\_K06 | 30 | 60 | 2 | 1,0 | T | Z |  | P | S | Ob |
| 12 | PSZ2201W | Organizational Psychology | 2 |  |  |  |  | K2\_ZARZ\_W11  K2\_ZARZ\_W12 | 30 | 60 | 2 | 1,0 | T | Z |  |  | K | Ob |
| 13 | ZMZ2203S | Seminar II |  |  |  |  | 1 | K2\_ZARZ\_U04  K2\_ZARZ\_U16  K2\_ZARZ\_U18  K2\_ZARZ\_K01  K2\_ZARZ\_K08 | 15 | 60 | 2 | 0,5 | T | Z |  | P | S | Ob |
|  | | Total | **8** | **1** | **3** | **5** | **1** |  | **270** | **960** | **32** | **8,0** |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum …… hours in semester, ……. ECTS points)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Total number of hours | | | | | Total number of  ZZU  hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |
|  |  |  | **8** | **1** | **3** | **5** | **1** | **270** | **960** | **32** | **8,0** |

**Semester 4**

**Obligatory courses / groups of courses Number of ECTS points …26…..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
| 1 | PRZ1207W | Legal protection and commercialization of knowledge | 1 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W07  K2\_ZARZ\_W10  K2\_ZARZ\_W12  K2\_ZARZ\_U01  K2\_ZARZ\_U05  K2\_ZARZ\_U16  K2\_ZARZ\_U20  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 15 | 30 | 1 | 0,5 | T | Z |  |  | K | Ob |
| 2 | ZMZ2201W | Management Ethics | 2 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W04  K2\_ZARZ\_W08  K2\_ZARZ\_W11  K2\_ZARZ\_U02  K2\_ZARZ\_U05  K2\_ZARZ\_U06  K2\_ZARZ\_K03  K2\_ZARZ\_K04  K2\_ZARZ\_K05  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 30 | 90 | 3 | 1,0 | T | Z |  |  | PD | Ob |
| 3 | ZMZ2627D | MSc Thesis II |  |  |  | 6 |  | K2\_ZARZ\_W06  K2\_ZARZ\_W09  K2\_ZARZ\_W10  K2\_ZARZ\_U03  K2\_ZARZ\_U04  K2\_ZARZ\_U06  K2\_ZARZ\_U14  K2\_ZARZ\_U16  K2\_ZARZ\_U17  K2\_ZARZ\_K01  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 90 | 420 | 14 | 0,0 | T | Z |  | P | S | Ob |
| 4 | ZMZ2204W | Strategic Management | 1 |  |  |  |  | K2\_ZARZ\_W03  K2\_ZARZ\_W05 | 15 | 90 | 3 | 0,5 | T | Z |  |  | K | Ob |
| 5 | ZMZ2204S | Strategic Management |  |  |  |  | 1 | K2\_ZARZ\_U03  K2\_ZARZ\_U04  K2\_ZARZ\_U06  K2\_ZARZ\_U08  K2\_ZARZ\_U09  K2\_ZARZ\_U18 | 15 | 90 | 3 | 0,5 | T | Z |  | P | K | Ob |
| 6 | FZZ2513W | Work environment physics | 1 |  |  |  |  | K2\_ZARZ\_W15  K2\_ZARZ\_U05  K2\_ZARZ\_K02 | 15 | 60 | 2 | 0,5 | T | Z |  |  | PD | Ob |
| 1 | PRZ1207W | Legal protection and commercialization of knowledge | 1 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W07  K2\_ZARZ\_W10  K2\_ZARZ\_W12  K2\_ZARZ\_U01  K2\_ZARZ\_U05  K2\_ZARZ\_U16  K2\_ZARZ\_U20  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 15 | 30 | 1 | 0,5 | T | Z |  |  | K | Ob |
| 2 | ZMZ2201W | Management Ethics | 2 |  |  |  |  | K2\_ZARZ\_W01  K2\_ZARZ\_W04  K2\_ZARZ\_W08  K2\_ZARZ\_W11  K2\_ZARZ\_U02  K2\_ZARZ\_U05  K2\_ZARZ\_U06  K2\_ZARZ\_K03  K2\_ZARZ\_K04  K2\_ZARZ\_K05  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 30 | 90 | 3 | 1,0 | T | Z |  |  | PD | Ob |
| 3 | ZMZ2627D | MSc Thesis II |  |  |  | 6 |  | K2\_ZARZ\_W06  K2\_ZARZ\_W09  K2\_ZARZ\_W10  K2\_ZARZ\_U03  K2\_ZARZ\_U04  K2\_ZARZ\_U06  K2\_ZARZ\_U14  K2\_ZARZ\_U16  K2\_ZARZ\_U17  K2\_ZARZ\_K01  K2\_ZARZ\_K07  K2\_ZARZ\_K09 | 90 | 420 | 14 | 0,0 | T | Z |  | P | S | Ob |
|  | | Total | **5** | **0** | **0** | **6** | **1** |  | **180** | **180** | **780** | **26** |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum …60… hours in semester, …3…. ECTS points)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **GK**) | Weekly number of hours | | | | | Learning effect symbol | Number of hours | | Number of ECTS points | | Form2 of course/group of courses | Way3 of crediting | Course/group of courses | | | |
| lec | cl | lab | pr | sem | ZZU | CNPS | total | BK classes1 | university-wide4 | practical5 | kind6 | type7 |
| 1 | JZL | Foreign Language B2+ |  | 1 |  |  |  | K2\_ZARZ\_U16  K2\_ZARZ\_U15  K2\_ZARZ\_U20  K2\_ZARZ\_U19  K2\_ZARZ\_U21 | 15 | 30 | 1 | 0,5 | T | Z | O | P | O | W |
| 2 | JZL | Foreign Language A1 or A2 |  | 3 |  |  |  | K2\_ZARZ\_U20  K2\_ZARZ\_U19  K2\_ZARZ\_U21 | 45 | 60 | 2 | 1,5 | T | Z | O | P | O | W |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | Total | **0** | **4** | **0** | **0** | **0** |  | **60** | **90** | **3** | **2,0** |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Total number of hours | | | | | Total number of  ZZU  hours | Total number of CNPS hours | Total number of ECTS points | Number of ECTS points for BK classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |
|  |  |  | **5** | **4** | **0** | **6** | **1** | **240** | **870** | **29** | **5,0** |

**2.** **Set of examinations in semestral arrangement**

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

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

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

Opinion of student government legislative body

................... ................................................................................

Date Name and surname, signature of student representative

................... ................................................................................

Date Dean’s signature