**Zał. nr 4 do ZW 16/2020   
Attachment no. 3. to the Program of Studies**

**PLAN OF STUDIES**

**FACULTY** **OF ARCHITECTURE**

**MAIN FIELD OF STUDY: SPATIAL MANAGEMENT**

**EDUCATION LEVEL:** Second-level studies

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

**PROFILE:** General academic

**SPECIALIZATION**: -

**LANGUAGE OF STUDY: POLISH, ENGLISH**

Valid as of 2020/2021 academic year

**Plan of studies structure** in ECTS point layout and in hourly layout

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No HRS** | **1 SEMESTER** | **TYPE** | **ECTS** | **2 SEMESTER** | **TYPE** | **ECTS** | **3 SEMESTER** | **TYPE** | **ECTS** | **No HRS** |
| **30** |  |  |  | **\*Foreign language 2** | **Cl** | **2** |  |  |  | **30** |
| **29** |  |  |  |  |  |  | **29** |
| **28** |  |  |  |  |  |  | **28** |
| **27** | **\*Foreign language 1** | **Cl** | **1** | **Optional block in field of studies (stream 1-5\_2)** | **Pr** | **3** |  |  |  | **27** |
| **26** | **Optional block in field of studies**  **(stream 1-5\_1)** | **Pr** | **3** |  |  |  | **26** |
| **25** |  |  |  | **25** |
| **24** | **Optional block in field of studies (stream 1-5\_2)** | **Pr** | **3** |  |  |  | **24** |
| **23** | **Optional block in field of studies**  **(stream 1-5\_1)** | **Pr** | **3** |  |  |  | **23** |
| **22** |  |  |  | **22** |
| **21** | **Supporting the decision-making process 2** | **Lab** | **3** |  |  |  | **21** |
| **20** | **Supporting the decision-making process 1** | **Lab** | **2** |  |  |  | **20** |
| **19** |  |  |  | **19** |
| **18** | ***Nurt Urbanistyka operacyjna***  **Operational spatial planning** | **Lec** | **2** | **Legislative technique in planning 2** | **Cl** | **2** |  |  |  | **18** |
| **17** |  |  |  | **17** |
| **16** | ***Nurt Technologie cyfrowe***  **Models in Spatial Management** | **Lec** | **2** | **Project management** | **Lec** | **2** |  |  |  | **16** |
| **15** |  |  |  | **15** |
| **14** | ***Nurt Planowanie partycypacyjne***  **From governing to governance** | **Lec** | **2** | **Territorial marketing** | **Lec** | **1** |  |  |  | **14** |
| **13** | **Knowledge of architecture** | **Lec** | **2** |  |  |  | **13** |
| **12** | ***Nurt Transformacja urbanistyczna***  **Directions of transformations of contemporary cities** | **Lec** | **2** |  |  |  | **12** |
| **11** | **Law on Spatial Planning** | **Lec** | **1** | **Master thesis** | **D** | **20** | **11** |
| **10** | ***Nurt Planowanie dla klimatu***  **Shaping and the protection of the environment** | **Lec** | **2** | **Spatial Planning Organization** | **Lec** | **2** | **Optional block in field of studies (stream 1-5\_3)** | **Pr** | **3** | **10** |
| **9** | **9** |
| **8** | **Legislative technique in planning 1 (E)** | **Lec** | **3** | **Problems of spatial development management** | **Lec** | **2** | **8** |
| **7** | **Optional block in field of studies (stream 1-5\_3)** | **Pr** | **3** | **7** |
| **6** | **Planning theory (E)** | **Lec** | **3** | **Planning for city development (E)** | **Lec** | **3** | **6** |
| **5** | **5** |
| **4** | **Systems theory (E)** | **Lec** | **3** | **Planning for city development** | **Pr** | **4** | **Regional policy** | **Lec** | **2** | **4** |
| **3** | **3** |
| **2** | **Elements of higher mathematics** | **Lec** | **2** | **Spatial Policy of the European Union** | **Lec** | **2** | **2** |
| **1** | **1** |
| **TOTAL** |  |  | **30** |  |  | **30** |  |  | **30** | **TOTAL** |

*\* Foreign languages are crediting by deadline of 3 semester*

**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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | MAT001753W | Elements of higher mathematics | 2 | - | - | - | - | K2GP\_W01 K2GP\_W02 K2GP\_U02 | 30 | 60 | 2 | 0 | 1 | T | Z | - | - | - | PD |
| 2 | GPA117567W | Systems theory | 2 | - | - | - | - | K2GP\_W02 K2GP\_W03 K2GP\_W04 K2GP\_W11 K2GP\_U01 K2GP\_U04 K2GP\_U11 K2GP\_U15 K2GP\_K01 K2GP\_K02 | 30 | 90 | 3 | 3 | 2 | T | E | - | DN | - | PD |
| 3 | GPA117566W | Models in Spatial Management | 2 | - | - | - | - | K2GP\_W01 K2GP\_W02 K2GP\_W06 K2GP\_W11 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_K01 K2GP\_K02 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | PD |
| 4 | GPA117568W | Shaping and the protection of the environment | 2 | - | - | - | - | K2GP\_W03 K2GP\_W07 K2GP\_U01 K2GP\_U09 K2GP\_K01 K2GP\_K02 K2GP\_K04 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 5 | GPA117569W | Directions of transformations of contemporary cities | 2 | - | - | - | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_U01 K2GP\_U04 K2GP\_U07 K2GP\_U11 K2GP\_K01 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 6 | GPA117570W | From governing to governance | 2 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_U04 K2GP\_U09 K2GP\_K04 K2GP\_K05 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 7 | GPA117571W | Operational spatial planning | 2 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 8 | GPA117572L | Supporting the decision-making process 1 | - | - | 2 | - | - | K2GP\_W01 K2GP\_W02 K2GP\_W06 K2GP\_W11 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_K01 K2GP\_K02 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | P | K |
| 9 | GPA117573W | Planning theory | 2 | - | - | - | - | K2GP\_W04 K2GP\_W06 K2GP\_W11 K2GP\_U01 K2GP\_U04 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 90 | 3 | 3 | 2 | T | E | - | DN | - | KO |
| 10 | GPA117574W | Legislative technique in planning 1 | 2 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W10 K2GP\_U01 K2GP\_U06 K2GP\_U11 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 90 | 3 | 3 | 2 | T | E | - | DN | - | K |
|  | | Total | 18 | - | 2 | - | - |  | 300 | 690 | 23 | 21 | 13 |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum 105 hours in semester, 7 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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | JZL100930BK | Foreign language 1 | - | 1 | - | - | - | K2GP\_U13 | 15 | 30 | 1 | 0 | 1 | T | Z | O | - | P | KO |
| 2 | GPA117609BK | Optional block in field of studies | - | - | - | 6 | - | - | 90 | 180 | 6 | 0 | 4 | T | Z | - | - | P | K |
| 2.1 | GPA117599P | Urban areas sustainable development strategies | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_U01 K2GP\_U09 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.2 | GPA117584P | Revitalization of Urban Areas | - | - | - | 3 | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W09 K2GP\_W12 K2GP\_U01 K2GP\_U04 K2GP\_U09 K2GP\_U16 K2GP\_K01 K2GP\_K03 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.3 | GPA117585P | Multi-level governance | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.4 | GPA117586P | Planning based on GIS spatial analysis | - | - | - | 3 | - | K2GP\_W02 K2GP\_U02 K2GP\_U08 K2GP\_U12 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.5 | GPA117587P | Operationalization of regional planning | - | - | - | 3 | - | K2GP\_W08 K2GP\_W09 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U08 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U16 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.6 | GPA117588P | Pro-climate planning | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W11 K2GP\_U01 K2GP\_U05 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.7 | GPA117589P | City Re-newal | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.8 | GPA117590P | Participatory budgeting | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.9 | GPA117591P | Elements of city and region development strategy | - | - | - | 3 | - | K2GP\_W04 K2GP\_W06 K2GP\_U01 K2GP\_U03 K2GP\_U04 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.10 | GPA117592P | Transportation Analysis and Forecasting Techniques in the Settlement Systems | - | - | - | 3 | - | K2GP\_W02 K2GP\_W11 K2GP\_U02 K2GP\_U12 K2GP\_K01 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.11 | GPA117593P | Operational planning of city development | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.12 | GPA117594P | The Microclimate of the Estate. Methods and Tools | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U09 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.13 | GPA117595P | Repair of urban spaces | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.14 | GPA117598P | Designing for Local Community | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_U04 K2GP\_U09 K2GP\_U12 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.15 | GPA117596P | Spatial Information System of the Settlement Unit | - | - | - | 3 | - | K2GP\_W11 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U11 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.16 | GPA117597P | Operational planning of urban structures | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
|  | | Total | - | 1 | - | 6 | - |  | 105 | 210 | 7 | 0 | 5 |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 classes5 | Number of ECTS points for BU classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |  |
| 18 | 1 | 2 | 6 | - | 405 | 900 | 30 | 21 | 18 |

**Semester 2**

**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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | GPA117605W | Spatial Planning Organization | 2 | - | - | - | - | K2GP\_W05 K2GP\_U05 K2GP\_K01 K2GP\_K04 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | KO |
| 2 | GPA117575W | Law on Spatial Planning | 1 | - | - | - | - | K2GP\_W05 K2GP\_U05 K2GP\_K01 K2GP\_K04 | 15 | 30 | 1 | 1 | 1 | T | Z | - | DN | - | KO |
| 3 | GPA117576W | Project management | 2 | - | - | - | - | K2GP\_W06 K2GP\_W07 K2GP\_W08 K2GP\_W11 K2GP\_U01 K2GP\_U04 K2GP\_U10 K2GP\_U14 K2GP\_U15 K2GP\_K01 K2GP\_K02 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 30 | 60 | 2 | 0 | 1 | T | Z | - | - | - | KO |
| 4 | GPA117577W | Territorial marketing | 1 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U04 K2GP\_U06 K2GP\_U11 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 15 | 30 | 1 | 1 | 1 | T | Z | - | DN | - | KO |
| 5 | GPA117607W | Problems of spatial development management | 2 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W10 K2GP\_W12 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U11 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 60 | 2 | 0 | 1 | T | Z | - | - | - | KO |
| 6 | GPA117578C | Legislative technique in planning 2 | - | 2 | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W10 K2GP\_U01 K2GP\_U06 K2GP\_U11 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | P | K |
| 7 | GPA117579L | Supporting the decision-making process 2 | - | - | 3 | - | - | K2GP\_W02 K2GP\_W08 K2GP\_W11 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U09 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 3 | 2 | T | Z | - | DN | P | K |
| 8 | GPA117603W | Knowledge of architecture | 2 | - | - | - | - | K2GP\_W10 K2GP\_U01 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 9 | GPA117580W | Planning for city development | 2 | - | - | - | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 30 | 90 | 3 | 3 | 2 | T | E | - | DN | - | K |
| 10 | GPA117581P | Planning for city development | - | - | - | 4 | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 60 | 120 | 4 | 4 | 2 | T | Z | - | DN | P | K |
|  | | Total | 12 | 2 | 3 | 4 | - |  | 315 | 660 | 22 | 18 | 13 |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum 135 hours in semester, 8 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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | JZL100929BK | Foreign language 2 | - | 3 | - | - | - | K2GP\_U13 | 45 | 60 | 2 | 0 | 1 | T | Z | O | - | P | KO |
| 2 | GPA117609BK | Optional block in field of studies | - | - | - | 6 | - | - | 90 | 180 | 6 | 0 | 4 | T | Z | - | - | P | K |
| 2.1 | GPA117599P | Urban areas sustainable development strategies | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_U01 K2GP\_U09 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.2 | GPA117584P | Revitalization of Urban Areas | - | - | - | 3 | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W09 K2GP\_W12 K2GP\_U01 K2GP\_U04 K2GP\_U09 K2GP\_U16 K2GP\_K01 K2GP\_K03 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.3 | GPA117585P | Multi-level governance | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.4 | GPA117586P | Planning based on GIS spatial analysis | - | - | - | 3 | - | K2GP\_W02 K2GP\_U02 K2GP\_U08 K2GP\_U12 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.5 | GPA117587P | Operationalization of regional planning | - | - | - | 3 | - | K2GP\_W08 K2GP\_W09 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U08 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U16 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.6 | GPA117588P | Pro-climate planning | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W11 K2GP\_U01 K2GP\_U05 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.7 | GPA117589P | City Re-newal | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.8 | GPA117590P | Participatory budgeting | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.9 | GPA117591P | Elements of city and region development strategy | - | - | - | 3 | - | K2GP\_W04 K2GP\_W06 K2GP\_U01 K2GP\_U03 K2GP\_U04 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.10 | GPA117592P | Transportation Analysis and Forecasting Techniques in the Settlement Systems | - | - | - | 3 | - | K2GP\_W02 K2GP\_W11 K2GP\_U02 K2GP\_U12 K2GP\_K01 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.11 | GPA117593P | Operational planning of city development | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.12 | GPA117594P | The Microclimate of the Estate. Methods and Tools | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U09 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.13 | GPA117595P | Repair of urban spaces | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.14 | GPA117598P | Designing for Local Community | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_U04 K2GP\_U09 K2GP\_U12 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.15 | GPA117596P | Spatial Information System of the Settlement Unit | - | - | - | 3 | - | K2GP\_W11 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U11 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.16 | GPA117597P | Operational planning of urban structures | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
|  | | Total | - | 3 | - | 6 | - | - | 135 | 240 | 8 | 0 | 5 |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 classes5 | Number of ECTS points for BU classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |  |
| 12 | 5 | 3 | 10 | - | 450 | 900 | 30 | 18 | 18 |

**Semester 3**

**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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | GPA117583W | Spatial Policy of the European Union | 2 | - | - | - | - | K2GP\_W04 K2GP\_W05 K2GP\_W09 K2GP\_W11 K2GP\_U01 K2GP\_U04 K2GP\_K01 K2GP\_K02 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
| 2 | GPA117582W | Regional policy | 2 | - | - | - | - | K2GP\_W08 K2GP\_W09 K2GP\_W11 K2GP\_U04 K2GP\_U14 K2GP\_K01 K2GP\_K02 K2GP\_K04 | 30 | 60 | 2 | 2 | 1 | T | Z | - | DN | - | K |
|  | | Total | 4 | - | - | - | - |  | 60 | 120 | 4 | 4 | 2 |  |  |  |  |  |  |

**Optional courses / groups of courses (minimum 105 hours in semester, 26 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 | DN5 classes | BU1 classes | University-wide4 | Concerning scientific activities5 | Practical6 | Type7 |
| 1 | GPA117601D | Master thesis | - | - | - | 1 | - | - | 15 | 600 | 20 | 20 | 10 | T | Z | - | DN | P | K |
| 2 | GPA117609BK | Optional block in field of studies | - | - | - | 6 | - | - | 90 | 180 | 6 | 0 | 4 | T | Z | - | - | P | K |
| 2.1 | GPA117599P | Urban areas sustainable development strategies | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_U01 K2GP\_U09 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.2 | GPA117584P | Revitalization of Urban Areas | - | - | - | 3 | - | K2GP\_W03 K2GP\_W04 K2GP\_W06 K2GP\_W09 K2GP\_W12 K2GP\_U01 K2GP\_U04 K2GP\_U09 K2GP\_U16 K2GP\_K01 K2GP\_K03 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.3 | GPA117585P | Multi-level governance | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.4 | GPA117586P | Planning based on GIS spatial analysis | - | - | - | 3 | - | K2GP\_W02 K2GP\_U02 K2GP\_U08 K2GP\_U12 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.5 | GPA117587P | Operationalization of regional planning | - | - | - | 3 | - | K2GP\_W08 K2GP\_W09 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U08 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U16 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.6 | GPA117588P | Pro-climate planning | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W11 K2GP\_U01 K2GP\_U05 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.7 | GPA117589P | City Re-newal | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.8 | GPA117590P | Participatory budgeting | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.9 | GPA117591P | Elements of city and region development strategy | - | - | - | 3 | - | K2GP\_W04 K2GP\_W06 K2GP\_U01 K2GP\_U03 K2GP\_U04 K2GP\_U09 K2GP\_U10 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.10 | GPA117592P | Transportation Analysis and Forecasting Techniques in the Settlement Systems | - | - | - | 3 | - | K2GP\_W02 K2GP\_W11 K2GP\_U02 K2GP\_U12 K2GP\_K01 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.11 | GPA117593P | Operational planning of city development | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.12 | GPA117594P | The Microclimate of the Estate. Methods and Tools | - | - | - | 3 | - | K2GP\_W03 K2GP\_W07 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U09 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_K01 K2GP\_K02 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.13 | GPA117595P | Repair of urban spaces | - | - | - | 3 | - | K2GP\_W03 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_U01 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_K01 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.14 | GPA117598P | Designing for Local Community | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_U04 K2GP\_U09 K2GP\_U12 K2GP\_U16 K2GP\_K03 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.15 | GPA117596P | Spatial Information System of the Settlement Unit | - | - | - | 3 | - | K2GP\_W11 K2GP\_W10 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U11 K2GP\_K02 K2GP\_K04 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.16 | GPA117597P | Operational planning of urban structures | - | - | - | 3 | - | K2GP\_W04 K2GP\_W05 K2GP\_W06 K2GP\_W07 K2GP\_W10 K2GP\_W11 K2GP\_W12 K2GP\_U01 K2GP\_U02 K2GP\_U03 K2GP\_U04 K2GP\_U06 K2GP\_U07 K2GP\_U09 K2GP\_U10 K2GP\_U11 K2GP\_U12 K2GP\_U15 K2GP\_U16 K2GP\_K01 K2GP\_K02 K2GP\_K04 K2GP\_K05 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
| 2.17 | GPA117692P | Revalorization of historic urban interiors- design of contemporary urban detail in the monumental context | - | - | - | 3 | - | K2GP\_W03  K2GP\_W04  K2GP\_W05  K2GP\_W06  K2GP\_W07  K2GP\_W09  K2GP\_W12  K2GP\_U01  K2GP\_U04  K2GP\_U09  K2GP\_U16  K2GP\_K01  K2GP\_K03 | 45 | 90 | 3 | 0 | 2 | T | Z | - | - | P | K |
|  | | Total | - | - | - | 7 | - | - | 105 | 780 | 26 | 20 | 14 |  |  |  |  |  |  |

**Altogether in semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 classes5 | Number of ECTS points for BU classes1 |
| lec | cl | lab | pr | sem |  |  |  |  |  |
| 4 | - | - | 7 | - | 165 | 900 | 30 | 24 | 16 |

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

|  |  |  |
| --- | --- | --- |
| Course / group of courses code | Names of courses / groups of courses ending with examination | Semester |
| GPA117567W  GPA117573W  GPA117574W | 1. Systems theory  2. Planning theory  3. Legislative technique in planning 1 | 1 |
| GPA117580W | 1. Planning for city development | 2 |
| - | - | 3 |

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

|  |  |
| --- | --- |
| Semester | Allowable deficit  of ECTS points  after semester |
| 1 | 6 |
| 2 | 6 |
| 3 | 0 |

Opinion of student government legislative body

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

Date Name and surname, signature of student representative

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

Date Dean’s signature