**Zał. nr 3 do ZW 16/2020**

**Attachment no. 2. to the Program of Studies**

**DESCRIPTION OF THE PROGRAM OF STUDIES**

**Main field of study ……………...… Profile ………………………...**

**Level of studies ……………………. Form of studies ………………**

**1.** **General description**

|  |  |
| --- | --- |
| *1.1 Number of semesters:* | *1.2 Total number of ECTS points necessary to complete studies at a given level:* |
| *1.3 Total number of hours:* | *1.4 Prerequisites (particularly for second-level studies):* |
| *1.5 Upon completion of studies graduate obtains**professional degree of: ……………………* | *1.6 Graduate profile, employability:* |
| *1.7 Possibility of continuing studies:* | *1.8 Indicate connection with University’s mission and its development strategy:* |

1. **Detailed description**

**2.1 Total number of learning outcomes in the program of study: W (knowledge) =. ......, U (skills) = ......, K (competences) = ........., W + U + K = ............**

**2.2 For the main field of study assigned to more than one discipline - the number of learning outcomes assigned to the discipline:
 D1 (major) ......... (this number must be greater than half the total number of learning outcomes)
 D2 ...........
 D3 ...........
 D4 ...........**

**2.3 For the main field of study assigned to more than one discipline - percentage share of the number of ECTS points for each discipline:
 D1 ...........% ECTS points
 D2 ...........% ECTS points
 D3 ...........% ECTS points
 D4 ...........% ECTS points**

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

**2.4b. For the practical profile of the main field of study - the number of ECTS points assigned to the classes shaping practical skills (must be greater than 50% of the total number of ECTS points from 1.2)
2.5 Concise analysis of compliance of the assumed learning outcomes with the needs of the labor market**

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**2.6. The total number of ECTS points that a student must obtain in classes requiring direct participation of academic teachers or other persons conducting classes and students** (enter the sum of ECTS points for courses / groups of courses marked with the BU1 code) ....... ECTS

**2.7.** **Total number of ECTS points, which student has to obtain from basic sciences classes**

|  |  |
| --- | --- |
| Number of ECTS points for obligatory subjects  |  |
| Number of ECTS points for optional subjects  |  |
|  Total number of ECTS points |  |

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

|  |  |
| --- | --- |
| Number of ECTS points for obligatory subjects  |  |
| Number of ECTS points for optional subjects  |  |
|  Total number of ECTS points |  |

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

……. ECTS points

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

……. ECTS points

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

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**4.** **List of education blocks:**

**4.1. List of obligatory blocks:**

**4.1.1 List of general education blocks**

**4.1.1.1 *Liberal-managerial subjects* block***(min. ...... 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.1.2 *Foreign languages* block** *(min. .......... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.1.3 *Sporting classes* block** *(0 ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.1.4 *Information technologies* block***(min. .... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Altogether for general education blocks**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.1.2 List of basic sciences blocks**

**4.1.2.1 *Mathematics* block**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.2.2 *Physics* block**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.2.3 *Chemistry* block**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

***other…….***

**Altogether for basic sciences blocks:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.1.3 List of the main field of study blocks**

**4.1.3.1 *Obligatory main field of study* blocks**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.1.3.2 ……………… block**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.2 List of optional blocks**

**4.2.1 List of general education blocks**

**4.2.1.1 Liberal-managerial subjects blocks***(min. ...... 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.1.2 *Foreign languages* block** *(min. .......... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.1.3 Sporting classes block** *(0. ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.1.4 *Information technologies* block***(min. .... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Altogether for general education blocks:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.2.2 List of basic sciences blocks**

**4.2.2.1 *Mathematics* block***(min. .... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.2.2 *Physics* block***(min. .... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.2.3 *Chemistry* block***(min. .... ECTS points):*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Course/group of courses code | Name of course/group of courses (denote group of courses with symbol **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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.2.3 List of blocks**

**4.2.3.1 ……………… block** *(min. .... 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**………..**

**Altogether for blocks:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.2.4** **List of specialization blocks**

**4.2.4.1 *Specialization subjects* *(e.g. whole specialization)* blocks***(min. .... 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**4.2.4.2………………*(e.g. diploma profile)* block***(min. .... ECTS points):*

**Altogether for specialization blocks:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total number of hours | Total number ofZZUhours | 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 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**4.3** **Training block - concerning principles of training crediting – attachment no. …**

**Opinion of the Advisory Faculty Council concerning the rules of crediting training block**

|  |  |
| --- | --- |
| **Name of training** |  |
| **Number of ECTS points** | **Number of ECTS points for BU1 classes** | **Training crediting mode** | **Code** |
|  |  |  |  |
| **Training duration** | **Training objective** |
|  |  |

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

|  |  |
| --- | --- |
| **Type of diploma dissertation** | Licencjat / inżynier / magister / magister inżynier\* |
| **Number of diploma dissertation semesters** | **Number of ECTS points** | **Code** |
|  |  |  |
| **Character of diploma dissertation** |
| **Literature survey, project, computer program, etc.** |
| **Number of BU1 ECTS points** |  |

**5. Ways of verifying assumed learning outcomes**

|  |  |
| --- | --- |
| **Type of classes** | **Ways of verifying assumed learning outcomes** |
| lecture | e.g. examination, progress/final test |
| class | e.g. progress/final test |
| laboratory | e.g. pretest, report from laboratory |
| project | e.g. project defence |
| seminar | e.g. participation in discussion, topic presentation, essay |
| training | e.g. report from training |
| diploma dissertation | prepared diploma dissertation |

**6.** **Range of diploma examination**

….

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

|  |  |  |  |
| --- | --- | --- | --- |
| *No.* | *Course / group of courses code* | *Name of course / group of courses* | *Crediting by deadline of... (number of semester)* |
|  |   |  |  |
|  |   |  |  |
|  |   |  |  |
|  |   |  |  |
|  |   |  |  |
|  |  |  |  |
|  |  |  |  |

**8.** **Plan of studies (attachment no. ……)**

Approved by faculty student government legislative body:

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

Date name and surname, signature of student representative

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

Date Dean’s signature

\*delete as appropriate