**«8D08604 – Water Safety»**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № | UС/OC | Discipline  Code | Name of the discipline,  forming competencies | inacademiccredits | Distribution of credits by courses and semesters | | | | | |
| 1 course | | 2 course | | 3 course | |
| 1 | 2 | 1 | 2 | 1 | 2 |
| **1** |  | **Theoretical classess** | | **45** |  |  |  |  |  |  |
| **1.1** | **CS** | **Core subjects cycle** | | **20** |  |  |  |  |  |  |
|  |  | **Module 1. Methodology of research works** | |  |  |  |  |  |  |  |
| 1.1.1 | UC | MSR 8201 | Methods of scientific research | 5 | 5 |  |  |  |  |  |
| 1.1.2 | UC | AW 8202 | Academic writing | 5 | 5 |  |  |  |  |  |
| 1.1.3 |  | TP 8203 | Teaching practice | 10 |  | 10 |  |  |  |  |
| **1.2** | **MS** | **Major subjects cycle** | | **15** |  |  |  |  |  |  |
|  |  | **Module 2-Transboundary cooperation on water resources** | | **5** |  |  |  |  |  |  |
| 1.2.1 | OC | PNTWC 8301 | Principles and norms of transboundary water cooperation | 5 | 5 |  |  |  |  |  |
| 1.2.2 | OC | PLR 8301 | Principles of legal regulation |
|  |  | **Module 3-Problems of natural resource management** | | **10** |  |  |  |  |  |  |
| 1.2.3 | OC | WSC 8302 | Water Security concept | 5 | 5 |  |  |  |  |  |
| 1.2.4 | OC | MASW 8302 | Methodological approaches to sustainable water |
| 1.2.5 | OC | MNTC 8303 | Management of natural and technogenic complexes | 5 | 5 |  |  |  |  |  |
| 1.2.6 | OC | SEEM 8303 | Safety and efficiency of environmental management |
|  |  | **Module 4 – Sustainable water use** | | **5** |  |  |  |  |  |  |
| 1.2.7 | OC | CSD  8304 | Concept of sustainable development | 5 | 5 |  |  |  |  |  |
| 1.2.8 | OC | ICWR 8304 | Impact of climate on water resources |
|  |  | **Module 5 - Hydrological and geoecological and economic security** | | **10** |  |  |  |  |  |  |
| 1.2.9 | OC | MODHP 8305 | Methods of observing dangerous hydrological phenomena | 5 | 5 |  |  |  |  |  |
| 1.2.10 | OC | ARHEW  8305 | Assessment of risks from harmful effects of water |
| 1.2.11 | OC | MANRP  8306 | Methodological aspects of natural resource potential | 5 |  | 5 |  |  |  |  |
| 1.2.12 | OC | WFS 8306 | Water and food security |
| 1.2.13 | UC | RP 8402 | Research practice | 10 |  | 10 |  |  |  |  |
| **2** | **DRW** | **Research work by a doctoral candidate** | | **123** |  |  |  |  |  |  |
| 2.1 |  |  | Doctoral researchwork, including internships and doctoral dissertations | 123 | 5 | 10 | 30 | 30 | 30 | 18 |
| **4** | **FA** | **Final assessment** | | **12** |  |  |  |  |  |  |
| 4.1 |  |  | Writing and defending doctoral thesis | 12 |  |  |  |  |  | 12 |
|  |  |  | **Total** | **180** | **30** | **30** | **30** | **30** | **30** | **30** |