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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:**  **Water Pollution and Water Quality Criteria** | **Department of : Fisheries**  |
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| **Semester** |

 | **Theoretic Hour** | **Practice Hour** | **Total Hour** | **Credits** | **ECTS** | **Education Language** | **Type: Compulsory Elective** |
| Fall | 2 | 2 | 4 | 3 | 5 | Turkish | Optional |
| **Prerequisite (s)** |  |
| **Instructor** | Assoc. Dr. Osman Serdar | **Mail :**  oserdar@munzur.edu.tr**Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** |  It is aimed to comprehend the structures and physicochemical parameters of the waters, which form a large part of the ecosystem and an integral part of life, and to teach the criteria of waters according to their intended use. |
| **Course Goals** | 1- Learns the necessity of monitoring in water quality and pollution.2- Understands water quality parameters and water components3- learn the physicochemical parameters of waters4- Understands the necessity of monitoring studies in aquatic ecosystem |
| **Course Learning Outs and Proficiencie*s*** | 1- To be able to distinguish between water components and physicochemical parameters that cause water pollution2- The need to monitor the aquatic ecosystem is known3- Learns the (anthropogenic and natural) factors affecting the aquatic ecosystem, which is the final stop of pollution. |
| **Course Basic and Auxiliary Contexts** | Published current SCI articles |
| **Methods of Give a Lecture** | Face to face |

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| **Assessment Criteria** |  | **If Available, to Sign (x)** | **General Average Percentage (%) Rate** |
| **1. Quiz** | **X** | **50** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** |  |  |
| **Final Examination** | **X** | **50** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | Properties of waters, molecular structure, |
| **2** | Water quality criteria according to usage purposes |
| **3** | Water quality criteria according to usage purposes |
| **4** | Sampling from waters and storage conditions |
| **5** | Domestic waste mixing with water and its effects |
| **6** | Industrial waste mixing with water and its effects |
| **7** | The mixing of agricultural wastes with water and its effects |
| **8** | Effects of anthropogenic effects on the aquatic system and monitoring |
| **9** | Effects of anthropogenic effects on the aquatic system and monitoring |
| **10** | Physicochemical parameters and determination methods of waters |
| **11** | Physicochemical parameters and determination methods of waters |
| **12** | Physicochemical parameters and determination methods of waters |
| **13** | Physicochemical parameters of waters and their effects on aquatic ecosystem |
| **14** | Physicochemical parameters of waters and their effects on aquatic ecosystem |