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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:** **Toxicological Applications in Aquatic Organisms** | **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 | 6 | Turkish | Optional |
| **Prerequisite (s)** |  |
| **Instructor** | Assoc. Dr. Osman Serdar | **Mail :**  oserdar@munzur.edu.tr**Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** |  Identification of toxicology and food toxicology in aquatic organisms, investigation of their effects on organisms, observation of chemical pollutants that can be transmitted in aquatic environments and their effects and investigation of their effects. |
| **Course Goals** | * Definitions and concepts in toxicology are learned.
* To learn to determine the toxic levels of pollutants in aquatic organisms
* Acute and Chronic toxicity levels are learned to calculate.
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| **Course Learning Outs and Proficiencie*s*** | * To know the basic definitions related to toxicology and clinical toxicology and to be able to use them in professional life.
* To have knowledge about laboratory principles related to toxicology, to be able to plan, conduct and interpret experiments
* To gain the ability to read, interpret the literature and adapt to changes in science.
* To have knowledge about environmental poisoning factors such as pesticides and heavy metals and to gain the ability to give consultancy on these issues.
* To be able to define toxicity laboratory methods in aquatic organisms,
* To have knowledge about special topics in toxicology and to find solutions to problems by using this information where necessary.
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| **Course Basic and Auxiliary Contexts** | * Published current SCI articles
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| **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** | **30** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** | **X** | **30** |
| **Final Examination** | **X** | **40** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | Toxicology terms and definitions |
| **2** | Toxicology terms and definitions |
| **3** | Experimental applications of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **4** | Experimental applications of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **5** | Experimental applications of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **6** | Experimental applications of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **7** | Experimental applications of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **8** | Toxicological analysis of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **9** | Toxicological analysis of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **10** | Toxicological analysis of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **11** | Toxicological analysis of environmental poisoning agents such as pesticides and heavy metals in aquatic organisms |
| **12** | To have knowledge about laboratory analysis in toxicology in aquatic organisms |
| **13** | To have knowledge about laboratory analysis in toxicology in aquatic organisms |
| **14** | To have knowledge about laboratory analysis in toxicology in aquatic organisms |