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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:** **Biochemical Parameters and Analysis Methods 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** |  Biochemical parameters in aquatic organisms, description of the parameters in question, teaching the basic principles |
| **Course Goals** | * The elements to be considered in aquatic organism samples are learned.
* Important biochemical parameters are learned in aquatic organism samples.
* Free radicals, antioxidants and oxidative stress factors are learned.
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| **Course Learning Outs and Proficiencie*s*** | * Definition of biochemical research in aquatic organisms,
* Biochemical research methods in aquatic organisms,
* Evaluation and planning of biochemical literature in aquatic organisms,
* Biochemical evaluation of tissue samples is learned in aquatic organisms.
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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** | Biochemical parameters and definitions |
| **2** | Preparations for biochemical research in aquatic organisms |
| **3** | Preparations for biochemical research in aquatic organisms |
| **4** | Free radicals, antioxidants and antioxidant enzymes in aquatic organisms |
| **5** | Free radicals, antioxidants and antioxidant enzymes in aquatic organisms |
| **6** | Literature review and evaluation |
| **7** | Considerations for the analysis of aquatic organism tissue samples |
| **8** | Planning of biochemical research in aquatic organisms |
| **9** | Planning of biochemical research in aquatic organism tissues |
| **10** | The functions of tissues in aquatic organisms to show some enzyme activities |
| **11** | The functions of tissues in aquatic organisms to show some enzyme activities |
| **12** | The functions of tissues in aquatic organisms to show some enzyme activities |
| **13** | The functions of tissues in aquatic organisms to show some enzyme activities |
| **14** | Interpretation of the results after analysis of aquatic organism tissue samples |