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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:** **Principles of Aquaculture (MSc. Course)** | **Department of :** **Fisheries** |
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| **Semester** |

 | **Theoretic Hour** | **Practice Hour** | **Total Hour** | **Credits** | **ECTS** | **Education Language** | **Type: Compulsory Elective** |
| Fall/Spring | 3 | 0 | 3 | 3 | 6 | Turkish | Elective |
| **Prerequisite (s)** |  |
| **Instructor** | Assist. Prof. Dr. Abdullatif ÖLÇÜLÜ | **Mail : aolculu@munzur.edu.tr** **Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** | In this course, it is aimed to give general information about the basic information required for freshwater and marine fish, crustaceans, bivalve etc. aquaculture and current aquaculture systems and practices. |
| **Course Goals** | Course objectives; give detailed information about earthen and concrete pond construction, cage systems, water resources and water intake methods, water quality criteria and management, organic and inorganic fertilization, aeration systems broodstock management and reproduction in various aquaculture species, feed ingredients and feeding strategies, harvesting and marketing methods and to make students comprehend the principles of aquaculture. |
| **Course Learning Outs and Proficiencie*s*** | * Learns the situation of the aquaculture industry in the world and in our country,
* Recognizes aquaculture systems
* Learns the cultivated species,
* Knows water resources and management in detail,
* Knows how to manage water quality criteria in aquaculture,
* Learns general reproduction strategies in aquaculture,
* Has information about feed and feeding,
* Has knowledge about harvest and methods,
 |
| **Course Basic and Auxiliary Contexts** | * T.V.R. Pillay & M.N. Kutty. 2005. Aquaculture: Principles and Practices, pp. 640.
* Stickney, R. 1994. Principles of aquaculture, pp. 502.
 |
| **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** | **20 %** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** | **X** | **20 %** |
| **Final Examination** | **X** | **60 %** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | * Overview of the aquaculture industry
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| **2** | • Aquaculture systems |
| **3** | • Freshwater species cultivated |
| **4** | • Saltwater species cultivated |
| **5** | • Site selection in aquaculture |
| **6** | • Pond construction and cage systems |
| **7** | • Water resources and water intake systems |
| **8** | • Water quality criteria |
| **9** | • Management water quality in aquaculture |
| **10** | • Feed and feeding |
| **11** | • Reproductive strategies 1 |
| **12** | • Reproductive strategies 2 |
| **13** | • Harvest  |
| **14** | • Fish Transport |