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| **COURSE IDENTIFICATION FORM** |
| **Course Code and Name:** SM 5079 Advanced Limnology | **Department of :**  Fisheries Post Graduate |
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| **Semester** |

 | **Theoretic Hour** | **Practice Hour** | **Total Hour** | **Credits** | **ECTS** | **Education Language** | **Type: Compulsory Elective** |
| Fall | 2 | 0 | 2 | 2 | 5 | Turkish | Optional |
| **Prerequisite (s)** |  |
| **Instructor** | Prof. Dr. Rahmi AYDIN | **Mail :** **Web :** |
| **Course Assistant** |  | **Mail :****Web :** |
| **Groups / Classes** |  |  |
| **Course Aim** |  In this course students will graduate in freshwater ecology is intended to be general information about the freshwaters.  |
| **Course Goals** | * Some features of the water. The classification of inland waters. Physical and chemical properties of the lakes. Lakes are classified as ecological and limnological. General characteristics of the rivers. Stream organisms and their classification. Classification of freshwater organisms. Ecosystems, energy and productivity in inland waters. Pollution in inland waters. Limnological research tools and methods. Legal regulations, laws and regulations related internal waters
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| **Course Learning Outs and Proficiencie*s*** | * Dentifies various issues related to the internal waters, implements and develops solutions.
* Identify problems, and comments on the results obtained in inland waters.
* As a member of the team involved in the solution of problems related to the internal waters
* Own the necessary awarenees about protection of environment and occupational health and safety of inland waters.
* Have awareness of legal issues of inland waters.
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| **Course Basic and Auxiliary Contexts** |  |
| **Methods of Give a Lecture** |  |

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| **Assessment Criteria** |  | **If Available, to Sign (x)** | **General Average Percentage (%) Rate** |
| **1. Quiz** | **X** | **40** |
| **2. Quiz** |  |  |
| **3. Quiz** |  |  |
| **4. Quiz** |  |  |
| **5. Quiz** |  |  |
| **Oral Examination** |  |  |
| **Practice Examination (Laboratory, Project etc.)** |  |  |
| **Final Examination** | **X** | **60** |
| **Semester Course Plan** |
| **Week** | **Subjects** |
| **1** | Limnology and limnological terms |
| **2** | Lakes |
| **3** | Formation of lakes |
| **4** | Origins of Lakes |
| **5** | Lake types according to geographical locations |
| **6** | Thermal stratification in lakes |
| **7** | Evolution of lakes |
| **8** | Food sources of lakes |
| **9** | **Quiz** |
| **10** | Classification of lakes according to the degree of pollution |
| **11** | Streams |
| **12** | Zonation of streams |
| **13** | Comparison of Lotic and lentic waters |
| **14** | Karst lakes and sinkholes |