**COURSE IDENTIFICATION FORM**

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| Course Unit Title and Code: SM-631 Electric Fishing | Programme Title: Fisheries PhD |
| Semester | The Methods of Education (ECTS) |  |
| Theoretical | Practice | Lab. | Project Work | Other | Total | ECTS |
|  | 3 | 0 | - |  |  |  | 6 |
| Languish of Course Unit  | Turkish |
| Type of Course Unit (Compulsory/Elective) | Elective |
| Preconditions | None |
| **Name of Lecturer** | Prof. Dr. Fahrettin YÜKSEL |
| Class | PhD |
| Objectives of Course Unit | To ensure the use of electric fishing for scientific purposes. |
| **Teaching Techniques**  | Lecture, question and answer, discussion, brain storming, individual work |
| **Course Unit Contents** | The history of electric fishing, purposes of use, current types, electrofishing fishing constitute the content of this course. |
| Recommended or Required Reading | Wileman, D.A., Ferro, R.S.T., Fonteyne, R., Millar, R.B. (eds.), 1996. Manual of Methods of Measuring the Selectivity of Towed Fishing Gears. Copenhagen: ICES Cooperative Research Report No. 215, 126 p. Dickson, W., Smith, A., Walsh, S., 1995. Methodology Manual: Measurement of Fishing Gear Selectivity. The Department of Fisheries and Oceans, Ottawa, Ontario, Canada. Pope, J.A., Margetts, A.R., Hamley, J.M. and Akyüz, E.F., 1975. Manual of Methods for Fish Stock Assessment. Part III. Selectivity of Fishing Gear, FAO Fisheries Technical Paper No. 41, Revision 1, 65 p.  |
| Learning Outcomes | 1. Will be able to define the currents used in electric fishing.
2. Will be able to use the electroshocker device for scientific purposes.
3. Will be able to plan the electric manipulation of fish.
4. It will be able to improve the use of electricity in other hunting tools.
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| Weekly Detailed Course Contents | Week 1: Terms related to electric fishingWeek 2: History of electric fishingWeek 3: Direct current useWeek 4: Alternating current useWeek 5: Water parameters in electric fishingWeek 6: ElectroshockerWeek 7: Electroshocker applicationWeek 8: Midterm ExamWeek 9: Electroshocker applicationWeek 10: Field workWeek 11: Article reviewWeek 12: Article reviewWeek 13: Project presentationWeek 14: Project presentationWeek 15: Final Exam |
| The contribution to Career Training of Course Unit | Mathematic and Basic Science | Vocational Education | General Education |
|  |  | 6 |  |

### RELATİONSHIPS BETWEEN LEARNING OUTCOMES OF COURS UNIT AND PROGRAMME OUTCOMES OF FİSHERİES ENGİNNER

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|  | PROGRAMME OUTCOMES OF FİSHERİES ENGİNNER | **Contribution Level**1 Low2: Medium 3: High |
| 1 | Determines strategies and investigates methods about their field of study in Fisheries Basic Science. | 3 |
| 2 | Produces new information and theories by interpreting and synthesising the information from other disciplines and uses the theoretical and practical information from their field of study in Fisheries Basic Science. | 2 |
| 3 | Conforms, controls and teaches social, cultural and scientific ethics in the investigation and publication process of the data related with the field of interest. | 1 |
| 4 | Follows up international publications and communicates with international collaborators by using language skills. | 0 |
| 5 | Uses the communication and information technologies about the field of interest in an advanced level. | 3 |
| 6 | Research, adaption and application of a novel topic in their field. | 1 |
| 7 | Being able to conceive interdisciplinary interactions, and to obtain novel results by analysis, synthesis, and expert information. | 2 |
| 8 | Developing new ideas and methods in their field by creative and critical thinking, problem solving and decision making. | 1 |

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