**COURSE IDENTIFICATION FORM**

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| Course Unit Title and Code: SM-633 Fisheries Management Strategies and Development | 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 | The aim of this course is to understand the definition and structure of the coastal area; recognition of fishing activities in the coastal area; recognition of fisheries management regulations; understand different fisheries management practices, techniques and management tools; recognition of basic concepts from biological, social and economic aspects; The aim is to understand the importance of concepts such as overfishing, excessive capital accumulation, maximum sustainable product, maximum economic product, optimum product in terms of fisheries management. |
| **Teaching Techniques**  | Lecture, question and answer, discussion, brain storming, individual work |
| **Course Unit Contents** | Coastal area activities and fishing - Characteristics of fishing activities in the coastal area - Legal and legal regulations regarding coastal fishing - Coastal fisheries management practices and the role of fishermen - Basic biological, social and economic concepts related to coastal fisheries management - Problems encountered in coastal fisheries management and solutions. |
| 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. To be able to learn the activities in the coastal area and the importance and structure of coastal fishing within these activities.
2. To understand the nature and difficulty of fishing and its management.
3. To be able to learn the regulations regarding coastal fishing.
4. Ability to learn different fisheries management approaches and tools.
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| Weekly Detailed Course Contents | Week 1: Coastal area activities and fishingWeek 2: Structure of coastal fishingWeek 3: Coastal fisheries management conceptWeek 4: Biological, social and economic concepts related to coastal fisheries managementWeek 5: Legal and institutional structure regarding coastal fishingWeek 6: Coastal fisheries management toolsWeek 7: The role of stakeholders in coastal fisheries management and common fisheries management approachWeek 8: Midterm ExamWeek 9: Regulations regarding coastal fishingWeek 10: Problems encountered in coastal fisheries management and solutionsWeek 11: Coastal fisheries management plan contentWeek 12: Fisheries management practices at the local levelWeek 13: Fisheries management practices in Europe and the WorldWeek 14: Responsible fishing principles and implementation challengesWeek 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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