**COURSE IDENTIFICATION FORM**

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| Course Unit Title and Code: SM-5068 Sterilization and disinfection in microbiological practice | | | | | Programme Title: Fisheries Post Graduate | | | | | | | | | | |
| Semester | The Methods of Education (ECTS) | | | | | | | | | | | | | |  |
| Theoretical | | Practice | | | Lab. | | Project Work | | | Other | | | Total | ECTS |
|  | 2 | | 2 | | | - | |  | | |  | | | 4 | 6 |
| Language of Course Unit | Turkish | | | | | | | | | | | | | | |
| Type of Course Unit (Compulsory/Elective) | Elective | | | | | | | | | | | | | | |
| Preconditions | None | | | | | | | | | | | | | | |
| Name of Lecturer | Assoc. Dr. Engin ŞEKER | | | | | | | | | | | | | | |
| Class | Post Graduate | | | | | | | | | | | | | | |
| Objectives of Course Unit |  | | | | | | | | | | | | | | |
| Teaching Techniques | Lecture, question and answer, discussion, brain storming, individual work | | | | | | | | | | | | | | |
| Course Unit Contents | The definition of sterilization and disinfection process, the points to be taken into consideration during the choosing chemicals used in this process.  Sterilization and disinfection methods, control of these and the factors affecting this process.   |  | | --- | |  | |  | | | | | | | | | | | | | | | |
| Recommended or Required Reading | Bannister BA, Begg NT, Gillespie SH. Infection disease. Blackwell Science, 1996. Fortunato NH. Berry&Kohn's operating Room Techinique. Mosby company, 2003. Gruendemann BJ, Mangum SS. Infection prevention in surgical stting. WB Saunders Company, 2001. | | | | | | | | | | | | | | |
| Learning Outcomes | 1. Defines sterilization and disinfection 2. Defines fundamental principles of the sterilization and disinfection 3. Practices the methods of sterilization and disinfection 4. Learns the practice areas and mechanism of action of sterilization and disinfection methods | | | | | | | | | | | | | | |
| Weekly Detailed Course Contents | 1. History and significance of sterilization and disinfection  2. The definition and necessity of sterilization and disinfection  3. The definition and necessity of sterilization and disinfection  4. Sterilization’s methods  5. Sterilization’s methods  6. Sterilization’s method  7. Mid-term exam  8. Sterilization’s Control  9. Sterilization’s Control  10. Disinfectant and its categories  11. Disinfectant and its categories  12. Practice and control of disinfection process  13. The factors affecting disinfection and sterilization  14. Final exam | | | | | | | | | | | | | | |
| The contribution to Career Training of Course Unit | Mathematic and Basic Science | | | | Vocational Education | | | | | | | General Education | | | |
|  |  | | | | 6 | | | | | | |  | | | |
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### RELATIONSHIPS BETWEEN LEARNING OUTCOMES OF COURSE UNIT AND PROGRAMME OUTCOMES OF FISHERIES ENGINEER

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|  | 1. PROGRAMME OUTCOMES OF FISHERIES ENGINEER | Contribution Level  1 Low 2: Medium3: High |
| 1 | Deepens and improves the information based on university education up to expertise level in Fishing and Seafood Processing Technology. | 2 |
| 2 | Collects, assesses and publishes data related to their expertise area, cares public, scientific, cultural and ethical values during data collection. | 1 |
| 3 | Solves problems by using problem-solving and suitable methods, establishes cause and effect relationships in the process in his/her expertise. | 0 |
| 4 | Develops a positive attitude towards lifelong learning. | 1 |
| 5 | Ability for independent study in their area of expertise. | 0 |
| 6 | Obtaining and using literature in their area of expertise. | 1 |
| 7 | Written, verbal and visual convey of their studies and developments in their area of expertise. | 0 |
| 8 | Comprehends interaction of expertise area in relation to interdisciplinary relationships. | 0 |

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| Learning Outcomes of Course Unit | Programme Outcomes | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 3 |  | 3 | 2 |  |  |  |  |
| 2 | 3 |  | 3 | 3 |  |  |  | 3 |
| 3 | 3 | 2 | 3 | 3 |  |  |  | 1 |
| 4 | 3 | 3 |  | 3 |  |  | 2 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total PO | 12 | 5 | 9 | 11 | 0 | 0 | 2 | 6 |
| Total/12 | %100 | %42 | %75 | %92 | %0 | %0 | %17 | %50 |
| Contribute level | 3 | 2 | 3 | 3 | 0 | 0 | 1 | 2 |

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| Assoc. Dr. Engin ŞEKER | 12.02.2024 |