



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|---|------------|---|---|----------------------------------|---|------------|---|
| Course Title | | Sterilization Principles | | | | | | | |
| Course Code | | AN301 | | Course Level | | Short Cycle (Associate's Degree) | | | |
| ECTS Credit | 3 | Workload | 76 (Hours) | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | Student will gain knowledge about sterilization, disinfection, medical and surgical asepsi, common infectious diseases that are seen in operating room, intensive care and reanimation units. | | | | | | | |
| Course Content | | Sterilization, disinfection, medical and surgical asepsi, common infectious diseases that are seen in operating room, intensive care and reanimation units. | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Discussion, Individual Study, Problem Solving | | | | | |
| Name of Lecturer(s) | | Ins. İshak DOĞAN, Ins. Nuray GİDER, Ins. Tuğçe OKTAV | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 70 |

Recommended or Required Reading

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| 1 | Hospital Infections (Ed: A Yüce and N Çakır) 2nd Edition, İzmir Güven Publications, 2009 |
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| Week | Weekly Detailed Course Contents | |
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| 1 | Theoretical | Sterilization and disinfection |
| 2 | Theoretical | General principles of sterilization and disinfection |
| 3 | Theoretical | Sterilization of medical equipments and devices |
| 4 | Theoretical | Sterilization control |
| 5 | Theoretical | Disinfectants |
| 6 | Theoretical | Sterilization and disinfection at hospitals |
| 7 | Theoretical | Sterilization and disinfection at medical units except hospitals |
| 8 | Theoretical | Sterilization and disinfection at intensive care units |
| 9 | Intermediate Exam | Midterm Exam |
| 10 | Theoretical | Sterilization and disinfection at surgery services |
| 11 | Theoretical | Protection of nosocomial infection |
| 12 | Theoretical | Central sterilization unit and operation room controls |
| 13 | Theoretical | The place of medical workers in nosocomial infections |
| 14 | Theoretical | Hospital wastes |
| 15 | Final Exam | Final exam |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---------------------------------------|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 3 | 2 | 70 |
| Midterm Examination | 1 | 2 | 1 | 3 |
| Final Examination | 1 | 2 | 1 | 3 |
| Total Workload (Hours) | | | | 76 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 3 |

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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| 1 | Can know the meaning and importance of sterilization, disinfection, asepsi. |
| 2 | Can know and apply sterilization rules |
| 3 | Can know and apply disinfection rules |
| 4 | Can know and apply asepsi rules |



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| 5 | Can know what to do to prevent nosocomial infections |
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Programme Outcomes (Environmental Health)

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| 1 | They have the appropriate level of knowledge about the basic sciences which has an interaction with the environment and the environment itself. |
| 2 | They have gained the basic concepts, skills and qualifications in the Environmental health theoretical and practical lessons. And then they can establish the connections that are necessary to protect the environment and people's health in the light of these competencies. |
| 3 | They can use the approaches and the information of basic and applied research in different disciplines. They can follow the innovations and developments in their field, and have self-development competency with the terms of the day. |
| 4 | They know and apply the analysis methods used in the evaluation of environmental factors (drinking water, waste water treatment, air pollution, meteorological data, land values, food control, radiation measurement, etc.). |
| 5 | They have a professional and ethical consciousness, and have the ability to recognize the environmental problems and also can formulate a solution to these problems. They apply the gained knowledges and skills faced in real life situations, transfers the knowledge to individuals around, and wins the life-long learning behavior. |
| 6 | They are able to use their professional knowledge in their lives and behave sensitively toward the local and global environmental problems and effectively uses to the legislation and management tools the necessary for the solution. |
| 7 | Gained the ability to adapt the changing in a positive way themselves, to understand the core values and cultures of the society which are living. Sensitive to the universal and the social values, interests of the country, have adopted the concept of sustainable development, environmentally conscious, productive, behaves aware of the ethical and professional responsibility. |
| 8 | Provides a healthy interact of individual, society and the environment and take responsibility in the necessary situations for the continuity. |
| 9 | They gain the ecologically-based solving skills the problems and the delays that may arise in interaction with each other of living and nonliving environment. Interests of local and national, and Ecological and historical values of our country, and contribute to the protection and the development of them. |
| 10 | Exhibits the appropriate behaviours for the protection and the development of plants, animals, and inanimate environment, and the especially human health. |
| 11 | Knows the value of energy for life, recognizes the types of energy, and have conscious of the importance, using and dissemination of renewable energy sources. |
| 12 | Knows the properties of information and communication technologies, and uses them in the process efficiently and professionally. |
| 13 | They aware of the democracy, rule of law, human rights, the national and universal cultural characteristics, and sensitive towards to the nature, society and people. |
| 14 | Knows the importance of Ataturk's principles and reforms, make them a way of life. |
| 15 | Uses effectively the Turkish in speaking and writing. |
| 16 | Has at least one foreign language ability to be able to follow the knowledge in their profession and to communicate with colleagues. |
| 17 | To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field |

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

| | L1 | L2 | L3 | L4 | L5 |
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| P1 | 4 | 4 | 4 | 4 | 4 |
| P17 | 5 | 5 | 5 | 5 | 5 |

