



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |   |            |   |   |                                  |   |            |   |
|--|---|---|------------|---|---|----------------------------------|---|------------|---|
| 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

|   |  |
|---|--|
| 1 | Hospital Infections (Ed: A Yüce and N Çakır) 2nd Edition, İzmir Güven Publications, 2009 |
|---|--|

| Week | Weekly Detailed Course Contents |  |
|------|---------------------------------|--|
| 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

|   |   |
|---|---|
| 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   |



|   |  |
|---|--|
| 5 | Can know what to do to prevent nosocomial infections |
|---|--|

**Programme Outcomes (First and Emergency Aid )**

|    |   |
|----|---|
| 1  | To be able to be aware of their professional authorities and responsibilities.  |
| 2  | To be able to use the principles of individual and organizational communication skills.   |
| 3  | To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .  |
| 4  | To be able to perform physical assessment of the patient and primary and secondary inspection.  |
| 5  | To be able to apply the methods of handling and transportation of the patient   |
| 6  | To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.  |
| 7  | To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.  |
| 8  | To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.   |
| 9  | To be able to identify the principles of pre-hospital emergency care in medical emergencies.  |
| 10 | To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.  |
| 11 | To be able to recognize and apply the pre-hospital emergency care drugs and fluids.   |
| 12 | To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.   |
| 13 | To be able to recognize the principles of pre-hospital emergency during disasters.  |
| 14 | To be able to protect and maintain the highest level of physical and mental health.   |
| 15 | To be able to recognize human anatomy and physiology.   |
| 16 | To be able to develop good communication and human relations skills with colloques and patients.  |
| 17 | To be able to apply Infection Control Methods and check infectional situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases. |
| 18 | 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 |
|-----|----|----|----|----|----|
| P17 | 5  | 5  | 5  | 5  | 5  |

