



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|  |   |  |            |   |   |                                  |   |            |   |
|--|---|--|------------|---|---|----------------------------------|---|------------|---|
| Course Title                                     |   | Environmental Health and Epidemic Diseases in Disasters  |            |   |   |                                  |   |            |   |
| Course Code                                      |   | ÖGK210   |            | Course Level  |   | Short Cycle (Associate's Degree) |   |            |   |
| ECTS Credit                                      | 2 | Workload   | 50 (Hours) | Theory  | 1 | Practice                         | 1 | Laboratory | 0 |
| Objectives of the Course                         |   | To learn the concepts of infectious diseases and the ways of transmission, general characteristics of infectious agents, the importance of epidemic and infectious diseases that may occur in disaster-emergencies and the ways of protection.   |            |   |   |                                  |   |            |   |
| Course Content                                   |   | The concept of infectious diseases, disaster and infection, characteristics of disaster variables, learning and protection of airborne diseases, water and foodborne diseases, skinborne diseases, treatment and prevention methods, diseases transmitted by parasites, treatment and prevention methods, disinfection, sterilization applications, determination of environmental health programs in the world, environmental health programs for disasters, environmental health management in disasters |            |   |   |                                  |   |            |   |
| Work Placement                                   |   | N/A  |            |   |   |                                  |   |            |   |
| Planned Learning Activities and Teaching Methods |   |  |            | Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving |   |                                  |   |            |   |
| Name of Lecturer(s)                              |   | Ins. Figen ŞAHİN   |            |   |   |                                  |   |            |   |

### Assessment Methods and Criteria

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

### Recommended or Required Reading

|   |   |
|---|---|
| 1 | Dizer, U., M.Eryilmaz (2007). Disaster Medicine, Ünsal Publications, Ankara.                                |
| 2 | MINISTRY OF HEALTH. General Directorate of Primary Health Care. Date: 20.08.1999. Number: 4379. Lu circular |
| 3 | Doğal afetler ve olağanüstü durumlarda görülen enfeksiyon hastalıkları. R.Uçku                              |

| Week | Weekly Detailed Course Contents |   |
|------|---------------------------------|---|
| 1    | Theoretical                     | Infectious diseases concept   |
| 2    | Theoretical                     | Disaster and infection  |
| 3    | Theoretical                     | Characteristics of variables in disaster  |
| 4    | Theoretical                     | Learning of airborne diseases and ways of prevention.                           |
| 5    | Theoretical                     | Water and foodborne diseases and ways of protection                             |
| 6    | Theoretical                     | Skin-borne diseases, treatment and prevention methods                           |
| 7    | Theoretical                     | Vector transmitted diseases, treatment and prevention methods.                  |
| 8    | Theoretical                     | Diseases transmitted by parasites, treatment and prevention methods.            |
| 9    | Intermediate Exam               | Midterm   |
| 10   | Theoretical                     | Disinfection, sterilization applications  |
| 11   | Theoretical                     | Determination of Environmental and Disaster Environmental Programs in the World |
| 12   | Theoretical                     | Environmental Health Management in Disasters,                                   |
| 13   | Theoretical                     | measures to control the outbreak  |
| 14   | Theoretical                     | measures to control the outbreak  |
| 15   | Theoretical                     | measures to control the outbreak  |
| 16   | Final Exam                      | Final examination   |



**Workload Calculation**

| Activity                                     | Quantity | Preparation | Duration | Total Workload |
|--|----------|-------------|----------|----------------|
| Lecture - Theory                             | 14       | 0           | 1        | 14             |
| Lecture - Practice                           | 14       | 0           | 1        | 14             |
| Midterm Examination                          | 1        | 9           | 1        | 10             |
| Final Examination                            | 1        | 11          | 1        | 12             |
| Total Workload (Hours)                       |          |             |          | 50             |
| [Total Workload (Hours) / 25*] = <b>ECTS</b> |          |             |          | 2              |

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

|   |   |
|---|---|
| 1 | Learn the concepts of infectious diseases and the ways of transmission of diseases.                               |
| 2 | Know and apply the measures to be taken against epidemics in case of disaster.                                    |
| 3 | Knows the general characteristics of infectious agents and learns the treatment methods.                          |
| 4 | Knows the ways of transmission of diseases and learns to prevent possible epidemic diseases in case of emergency. |
| 5 | Knows Environmental Health Management in Disasters  |

**Programme Outcomes (Construction Technology)**

|    |   |
|----|---|
| 1  | Being able to have professional knowledge and skills as a result of being supported by the application on vocational qualifications gained in secondary education |
| 2  | To choose and use building materials  |
| 3  | Building installations can be done  |
| 4  | Applying concrete technology  |
| 5  | Construction of roads   |
| 6  | To be able to make professional computer applications   |
| 7  | Technical drawings  |
| 8  | Making professional drawing   |
| 9  | Bidding and contracting   |
| 10 | To be able to organize the site   |
| 11 | Control and documentation of manufacturing  |
| 12 | Can make application of building repair and strengthening works   |
| 13 | To be able to determine soil types and make soil tests  |
| 14 | Can control water supply and transmission activities  |
| 15 | Making waste treatment facilities for polluting resources   |
| 16 | Projecting of construction elements   |
| 17 | Being able to make a professional project   |
| 18 | Make land measurements  |
| 19 | To be able to make professional practices   |

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

|     |    |
|-----|----|
|     | L1 |
| P1  | 4  |
| P2  | 1  |
| P3  | 1  |
| P4  | 1  |
| P5  | 1  |
| P6  | 1  |
| P7  | 1  |
| P8  | 1  |
| P9  | 1  |
| P10 | 1  |
| P11 | 1  |
| P12 | 1  |
| P13 | 1  |
| P14 | 1  |



|     |   |
|-----|---|
| P15 | 1 |
| P16 | 1 |
| P17 | 1 |
| P18 | 1 |
| P19 | 1 |

