# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

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|---|---|---|---|---|---|---|---|---|---|
| Course Title | Epidemiology | | | | | | | | |
| Course Code | HSH506 | | Couse Level | | Second Cycle (Master's Degree) | | | | |
| ECTS Credit | 5 | Workload | 124 *(Hours)* | Theory | 2 | Practice | 2 | Laboratory | 0 |
| Objectives of the Course | To increase the student knowledge and skills using the basic principles of epidemiology and research methods to develop solutions to the problems of public health in Turkey and the world. | | | | | | | | |
| Course Content | Definition of epidemiology, history, approaches and strategies, Health and disease criteria, Demographic criteria, The classification of diseases and deaths, Standardization techniques of disease prevalence, Epidemiological research methods, The main components of infectious diseases, Protection of robust persons, Protection of source | | | | | | | | |
| Work Placement | N/A | | | | | | | | |
| Planned Learning Activities and Teaching Methods | Explanation (Presentation), Demonstration, Discussion, Case Study | | | | | | | | |
| Name of Lecturer(s) | Assoc. Prof. Safiye ÖZVURMAZ | | | | | | | | |

| Assessment Methods and Criteria | | |
|---|---|---|
| Method | Quantity | Percentage (%) |
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

| Recommended or Required Reading | |
|---|---|
| 1 | Aksakoğlu D.: Bulaşıcı Hastalıklarla Savaş İlkeleri, Hacettepe Üniv.DSÖ Hiz. Araştırma Merkezi Yayını no:3, Ankara, 1983. |
| 2 | Gülesen Ö.: Epidemiyoloji. Bursa Ü. Yayınları No: 23. üniversite basımevi 1981. |
| 3 | Akbulut T., Sabuncu M.: Epidemiyoloji Prensip ve Uygulamaları Sistem Yayıncılık, İstanbul, 1993. |
| 4 | Tezcan S.: Epidemiyoloji, Tıbbi Araştırmaların Yöntem Bilimi. Halk Sağlığı Vakfı, Meteksan, Ankara 1992. |
| 5 | Bertan M., Güler Ç.: Halk Sağlığı Temel Bilgileri, Güneş Kitapevi 1995. |
| 6 | Dirican R., Bilgel N.: Halk Sağlığı (Toplum Hekimliği) 3.baskı, Uludağ Üni. Basımevi, Bursa. 1993. |
| 7 | Ucvghan,J,P., M R.H.Bölge Sağlık Yönetiminde Epidemıyoloji El kitabı |
| 8 | Güler, Ç., Akın L. (2006) Halk Sağlığı Temel Bilgiler, Hacettepe Üniversitesi Yayınları, Ankara 9)Bilir. N Güler.Ç. Epidemiyoloji Hatiboğlu Yayınevi 1989. |

| Week | Weekly Detailed Course Contents | |
|---|---|---|
| 1 | Theoretical | The development of the science of epidemiology(Definition of epidemiology, history, approaches and strategies |
| 2 | Theoretical | Health Services planning and health policies the importance of the science of epidemiology |
| 3 | Theoretical | Measure of health, health criteria Disease criteria (the disease incidence rate, prevalence rates, disease rates) |
| 4 | Theoretical | Criteria of death, survival, demographic criteria Indirect measures, non-medical criteria, criteria for positive health, confidence interval |
| 5 | Theoretical | The classification of diseases and deaths, health records |
| 6 | Theoretical | Standardization techniques of disease rates Life table techniques and the use |
| 7 | Theoretical | Strategies in Epidemiology Plan an Epidemiological research Descriptive epidemiology(person, place, time factors) |
| 8 | Theoretical | Analytic epidemiology (case control, cohort, cross-sectional) |
| 9 | Intermediate Exam | Mid-Term Exam |
| 10 | Theoretical | Experimental research Methodological research |
| 11 | Theoretical | Discussion of the research samples Plan an Epidemiological research |
| 12 | Theoretical | Basic concepts, the chain of infection, agent, host, environment relationship |
| 13 | Theoretical | Protection of robust persons (Resistance, immunization) |
| 14 | Theoretical | Protection of source Evaluation of Field studies |
| 15 | Theoretical | Protection of source Evaluation of Field studies |
| 16 | Final Exam | Final Exam |

| Workload Calculation | | | | |
|---|---|---|---|---|
| Activity | Quantity | Preparation | Duration | Total Workload |
| Lecture - Theory | 14 | 3 | 2 | 70 |
| Midterm Examination | 1 | 20 | 2 | 22 |
| Final Examination | 1 | 30 | 2 | 32 |
| | | | Total Workload (Hours) | 124 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 5 |
| *25 hour workload is accepted as 1 ECTS | | | | |

| Learning Outcomes | |
|---|---|
| 1 | To be able to explain basic epidemiological concepts |
| 2 | To be able to realize the importance of the science of epidemiology in planning health services |
| 3 | To be able to calculate rates of incidence and prevalence of diseases important for Public health |
| 4 | To be able to interpret epidemiological rates and percentages |
| 5 | To be able to know death and life criteria |
| 6 | To be able to identify the disease and deaths about methods of classification |
| 7 | To be able to know Epidemiological research methods |

| **Programme Outcomes** *(Public Health Nursing Master)* | |
|---|---|
| 1 | PO 1. Student has the current theoretical and practice knowledge in Master's degree in Public Health Nursing field based on his previous learning in bachelor's degree, student realizes the knowledge, deepens and uses it. |
| 2 | PO 2. Student brings solutions to the issues which require expertise and is related to the Public Health Nursing. Student solves the problem, he/she evalvates the results obtained and applies as needed |
| 3 | PO 3. To be able to create new information by integrating different disciplinary in Public Health Nursing field |
| 4 | PO 4. Student shares and discusses his/her knowledge, current developments and his/her own researches systematically with groups from or outside of his/her field in written, verbal, or visual way |
| 5 | PO 5. Student follows based on evidence practices and makes researches creating evidence about professional application in his/her own field |
| 6 | PO 6. Student manages researches about his/her field independently or in an team |
| 7 | PO 7. Student has information on statistics, uses related soft wares efficiently, chooses correct statistical methods while making researches, has the skills to calculate and comment. |
| 8 | PO 8. Student can write report of the researches he/she made or participated and publishes it in an internationally accepted refereed journal or presents it in academic meetings |
| 9 | PO 9. Student can make strategy and policy in topics related to Public Health Nursing, comments practice plans, and evaluates obtained results in scientific and ethical frame |
| 10 | PO 10. Student makes verbal and writing communication using one foreign language at least B2 level in European language portfolio |
| 11 | PO 11. To be able to comprehend the importance of ethical principles and ethical rules for the individual and society and behave ethic |

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

| | L1 | L2 | L3 | L4 | L5 | L6 | L7 |
|---|---|---|---|---|---|---|---|
| P1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P2 | 4 | 4 | 4 | 5 | 4 | 4 | 5 |
| P3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 |
| P5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| P6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| P7 | 5 | 5 | 5 | 5 | 4 | 4 | 5 |
| P8 | 4 | 4 | 5 | 5 | 4 | 5 | 5 |
| P9 | 4 | 4 | 4 | 5 | 5 | 4 | 5 |
| P10 | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| P11 | 4 | 4 | 4 | 5 | 5 | 4 | 5 |