



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Epidemiology and Research Methods							
Course Code		EBL305		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	54 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The purpose of this course the student factor, cause-effect relationships of the interaction between humans and the environment, public health determinant measures to protect and promote the knowledge and skills related to planning and aims to give research.							
Course Content		the definition of epidemiology, history, approaches and strategies • Strategies Definition of Epidemiology • Uses of epidemiological research methods Epidemiologic Methods • the study population and sampling, • Scanning the literature, • Survey preparation • Data Collection Methods and Data Characteristics; Measurement and Scales • Determination of Research Priorities in Selecting Topics, • Research and Ethics, • the basic features of research, • Descriptive Epidemiological Studies • Epidemiological Criteria • Case Control Studies • Cross-sectional Studies • Cohort Studies • Experimental Epidemiology, • Research interventions • Methodological Research Research paper Critical Reading and Writing							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Gürkan GÜNAYDIN, Prof. Filiz ABACIĞİL, Prof. Pınar OKYAY							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Sümbüloğlu, K., 'Sağlık Bilimlerinde Araştırma Teknikleri ve İstatistik', Mariş Yayınları, Ankara, 1978.
2	Aksakoğlu D.: Bulaşıcı Hastalıklarla Savaş İlkeleri, Hacettepe Üniv.DSÖ Hiz. Araştırma Merkezi Yayını no:3, Ankara, 1983.
3	Gülesen Ö.: Epidemiyoloji. Bursa Ü. Yayınları No: 23. üniversite basımevi 1981.
4	Akbulut T., Sabuncu M.: Epidemiyoloji Prensi ve Uygulamaları Sistem Yayıncılık, İstanbul, 1993.
5	Tezcan S.: Epidemiyoloji, Tıbbi Araştırmaların Yöntem Bilimi. Halk Sağlığı Vakfı, Meteksan, Ankara 1992.
6	Bertan M., Güler Ç.: Halk Sağlığı Temel Bilgileri, Güneş Kitapevi 1995.
7	Dirican R., Bilgel N.: Halk Sağlığı (Toplum Hekimliği) 3.baskı, Uludağ Üni. Basımevi, Bursa. 1993.
8	Ucvghan,J.P., M R.H.Bölge Sağlık Yönetiminde Epidemiyoloji El kitabı Prof. Dr. Münevver Bertan Dr. Tayfun Enünlü, Dünya Sağlık Örgütü, Hacettepe Üni. Tıp Fak..Halk Sağlığı ABD. yayın no 90151, 1990
9	Güler, Ç., Akın L. (2006) Halk Sağlığı Temel Bilgiler, Hacettepe Üniversitesi Yayınları, Ankara
10	Bilir. N Güler.Ç. Epidemiyoloji Hatiboğlu Yayınevi 1989.
11	Aksakaoğlu G. Sağlıkta Araştırma Teknikleri ve Analiz Yöntemleri. İzmir, Dokuz Eylül Üniversitesi Rektörlük Matbaası.2001.
12	Sencer, M. ve Sencer, Y., 'Toplumsal Araştırmalarda Yöntem Bilim', Türkiye ve Ortadoğu Amme İdaresi Ens. Yayınları, No: 172, Ankara, 1978.
13	Karasar, N. (1995) Bilimsel Araştırma Yöntemi, 7. Basım
14	Özçelik A.D., 'Araştırma Teknikleri', ÜSYM Eğitim Yayını, 1981.
15	Tavşancılı E. (2002) Tutumların Ölçülmesi ve SPSS ile Veri Analizi Nobel Yayın No:399, Ankara
16	Büyüköztürk Ş. (2005). Sosyal bilimler için Veri analizi el kitabı, İstatistik, araştırma deseni, SPSS Uygulamaları ve yorum, Gözden geçirilmiş 5. baskı, Pegem yay.
17	Arseven A (2001). Alan Arştırma Yöntemi İlkeler teknikler Örnekler. Gündüz eğitim ve yay. 2. baskı. Ankara.
18	Yıldırım A. ve Şimşek H. (2006). Sosyal Bilimlerde Nitel Araştırma Yöntemleri, Seçkin yay. 6. baskı. Ankara.
19	Özdamar K. (2004). Paket programlar ile istatistiksel veri analizi (Çok değişkenli analizler) 2. Yenilenmiş 5. Baskı. Kaan Kitabevi, Eskişehir.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to epidemiology
2	Theoretical	Historical Development of the research
3	Theoretical	Stages of the Scientific Method Strategies Definition of Epidemiology
4	Theoretical	Epidemiologic Methods Uses Scanning the literature, Survey Processing



5	Theoretical	Research, the Universe and Sampling
6	Theoretical	Data Collection Methods and Data Characteristics; Measurement and Scales
7	Theoretical	Research and publication ethics
8	Theoretical	Descriptive Epidemiological Studies
9	Intermediate Exam	MIDTERM EXAM WEEK
10	Theoretical	Epidemiological Criteria Case Control Studies
11	Theoretical	Cross-sectional studies, cohort Studies
12	Theoretical	Experimental Epidemiology,
13	Theoretical	Methodological Studies intervention Studies
14	Theoretical	Research article with the Critical Reading and Writing
15	Theoretical	Course Assessment
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	4	14
Final Examination	1	10	2	12
Total Workload (Hours)				54
[Total Workload (Hours) / 25*] = ECTS				2

*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 science of epidemiology in planning health services
3	To be able to calculate rates of incidence and prevalence of important diseases for public health
4	To be able to interpret epidemiological rates and speed
5	To know the criteria for life and death
6	To have knowledge about the methods of classification of diseases and deaths
7	To have knowledge of repidemiological research methods
8	To be able to plan an epidemiological research
9	To be able sort the basic concepts of epidemiology of infectious diseases
10	To be able to interpret the importance of research in nursing
11	To be able to examine concepts of stages of the research process taking into account the research principles and processes
12	To have a will to read the publications related to research in the field of nursing
13	To be able to design a research paper in the form of presentation
14	To be able to write a research report

Programme Outcomes (Child Development)

1	Comparatively evaluate and interpret the reliability and validity of the knowledge he / she has by using the basic and updated theoretical and practical educational and training tools and resources in the field of child development.
2	In line with the theoretical and practical knowledge he has acquired in the field of child development, he has the skills to evaluate children who show typical and atypical development with different methods and tools, develop support programs, provide family counseling and inform the society.
3	Uses his/her knowledge about self-care, physical-motor, cognitive-language, social-emotional development of 0-18 year old children for the developmental and educational diagnosis of children, in the units related to his/her profession for the benefit of children, families and society.
4	Analyzes the problems of their children and their families in terms of health, development, education and social service in the country and produces appropriate solutions and original ideas by using evidence-based knowledge on these problems.
5	Using the basic knowledge in the field of child development, he produces individual and group studies
6	He plans and implements research, professional projects and activities for the social environment in which it lives with the awareness of social responsibility, and monitors and evaluates the process.
7	Acts in accordance with the ethics of science, observes the psychological state of the children and their families in experimental researches on children.
8	Behaves in accordance with laws, regulations and legislation and respectful of democracy, human rights, social, scientific and professional ethical values, presenting an example for the society with his/her attitude, behavior and appearance.



9	Has adequate awareness about quality management and processes, individual and environmental protection and occupational safety issues including infants, children and families, participates and behaves accordingly in these processes.
10	He can integrate her professional knowledge with knowledge from different disciplines, he takes responsibility in multidisciplinary, interdisciplinary and transdisciplinary studies by participating in teamwork and fulfills his duties effectively.
11	Developing the habit of keeping research and learning awareness and knowledge up-to-date throughout life, he knows all the concepts related to development and education for children and young people aged 0-18 and follows the studies on this subject with a critical approach.
12	Using information and communication technologies together with the computer software required by the field.
13	To follow the changes and developments in the field using at least one foreign language.

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	L8	L9	L10	L11	L12	L13	L14
P5	3	3	3	3	3	3	3	3	3	3	3	3	3	3
P6	3	3	3	3	3	3	3	3	3	3	3	3	3	3

