

#### AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Epidemiolgy and Resear	ch Methods								
Course Code	EBL305	Couse Leve	el	First Cycle (Bachelor's Degree)						
ECTS Credit 2	Workload 54 (Hour	s) Theory	2	Practice	0	Laboratory	0			
Objectives of the Course	The purpose of this cour- humans and the environi and skills related to plan	se the student f ment, public hea ning and aims to	actor, caus alth determ o give resea	e-effect relatio inant measure arch.	nships of the s to protect ar	interaction betwe nd promote the ki	en 1owledge			
Course Content	the definition of epidemic Uses of epidemiological Scanning the literature, • Measurement and Scale Ethics, • the basic feature Case Control Studies • C Research interventions •	blogy, history, a research metho Survey prepara s • Determinations of research, cross-sectional s Methodologica	pproaches ds Epidem ation • Data on of Resea • Descriptiv Studies • C I Research	and strategies iologic Method a Collection Me arch Priorities in re Epidemiolog ohort Studies • Research pap	Strategies I s • the study   thods and Da n Selecting To ical Studies • Experimenta er Critical Rea	Definition of Epide population and sa ta Characteristics opics, • Research Epidemiological Il Epidemiology, • ading and Writing	<ul> <li>miology •</li> <li>ampling, •</li> <li>s;</li> <li>and</li> <li>Criteria •</li> </ul>			
Work Placement	N/A									
Planned Learning Activities	and Teaching Methods	Explanation	xplanation (Presentation), Discussion, Case Study, Individual Study							
Name of Lecturer(s)	Assoc. Prof. Gürkan GÜ	NAYDIN, Prof. F	Prof. Filiz ABACIGIL, Prof. Pinar 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 Prensip 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 Epidemıyoloji El kitabı Prof. Dr. Münevver Bertan Dr. Tayfun Enünlü, Dünya Sağlık Örgütü, Hacettepe Üni. Tıp FakHalk 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 Arşatırma 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 Assesment
16	Final Exam	Final Exam

#### Workload Calculation

Activity		Quantity		eparation	Duration	Total Workload					
Lecture - Theory	14			0	2	28					
Midterm Examination		1		10	4	14					
Final Examination		1		10	2	12					
	54										
	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 interprete 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 esearch 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 (Nutrition and Dietetics)

1	Assess, apply and evaluate the accuracy, reliability and validity of basic knowledge and evidence based current scientific developments on nutrition and dietetics.
2	Assess scientifically the energy and nutrients need of individuals and develop nutrition plans and programs for the clients according to the principles of adequate and balanced nutrition and assessment of energy and nutrient requirements
3	Develop food and nutrition plans and policies for the prevention and promotion of healthy lifestyle applying the methods of nutritional assessment for the population.
4	Assess the nutritional status of the patients, evaluate the clinical symptoms, plan and apply individualized medical nutrition therapy for the patients.
5	Evaluate the factors affecting the quality of food consumed by the individuals and populations from production to consumption and implement the legal standards and legislations on food safety and food security.
6	Consider, interpret and apply the basic scientific knowledge on nutrition and dietetics especially have skills on critical thinking, problem solving and decision making and use effectively the appropriate current technologies and computer, demonstrate skills in preparing research manuscripts, project proposals, collecting and verifying data and writing report.
7	Assess, evaluate and interpret the nutritional status of the individuals and population groups using current knowledge, develop preventive measures, apply medical nutrition therapy, demonstrate active participation, teamwork and contributions with national and international stakeholders in health and social areas, in terms of ethical principles.



8	Plan menus in the institutional food service systems depending on the energy and nutrient requirements of target groups in the scope of nutrition and dietetic principles, take care of food safety in all settings from purchase of food to service, apply appropriate service using technological developments.
9	Develop and use effective strategies for the education, counseling and encouragement of individuals and population groups to facilitate behavior change and choose healthy and safety foods, prepare and update the related educational materials.
10	Apply laboratory work on product development, food analysis and related factors effecting food quality and interpret the results and evaluate them according to the legal arrangements.
11	Plan, manage, evaluate, monitor and report researches and programs to educate and increase and improve the knowledge and awareness of individuals and population groups on healthy nutrition during all lifecycle period, and lead such activities, support and take role in the preparation and implementation of national and international food and nutrition plans and policies.
12	Work and perform duties in the scope of occupational responsibilities and ethical principles, understand the importance of lifelong learning, follow the latest developments (innovations) in science, technology and health, demonstrate professional attributes for the enhancement of nutrition and dietetics profession.
13	Use, apply, discuss and share scientific and evidence based knowledge in nutrition and dietetics practice with team and team members, develop and demonstrate effective skills using oral, print, visual methods in communicating and expressing thoughts and ideas, communicate with all stakeholders within ethical principles. Develop and demonstrate effective communications skills using oral, print, visual, electronic and mass media methods
14	Plan, apply, monitor and evaluate individualized medical nutrition therapy within interdisciplinary approaches, considering the sociocultural, economical status of patients in various age groups and also contribute to clinical researches.

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Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2:Low, 3: Medium, 4: High, 5: Very High													
		1.0	1.0			1.0		1.0	1.0	1.40	 1.40	1.40	

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
P1	2	2	2	2	2	3	2	3	2	2	1	2	2	2
P2	1	2	1	3	2	2	2	3	2	2	1	1	2	2
P3	1	3	1	3	1	2	1	3	3	2	2	1	3	3
P4	1	3	1	3	1	1	1	2	3	1	2	2	3	3
P5	1	3	2	3	1	4	1	2	2	1	3	2	3	3
P6	2	2	2	2	1	2	2	1	2	1	3	3	2	2
P7	2	1	3	1	2	2	3	1	1	2	3	3	1	1
P8	2	2	3	1	2	3	3	1	1	2	2	2	1	1
P9	3	3	2	1	2	3	2	2	2	2	1	1	1	1
P10	3	3	1	2	2	3	1	2	2	3	1	1	2	2
P11	2	3	1	2	1	2	2	3	3	3	1	1	2	2
P12	3	2	1	3	2	4 🧹	2	3	3	1	2	2	2	2
P13	2	1	2	3	2	1	2	2	2	1	1	3	1	1
P14	4	2	1	3	3	2	4	1	1	2	2	3	2	2

