

COURSE INFORMATION					
Course Title	Code	Semester	L + P Hour	Credits	ECTS
Applications of Economics in Health Care	MED 622	Phase 1/2/3	28	2	2*
* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program					
Prerequisites	None				

Language of Instruction	English
Course Level	Second Cycle including First Cycle Degree (One Tier Programme)
Course Type	Free Elective
Course Coordinator	Prof. Gülsüm Seda Güleç Yılmaz
Instructors	Burcu Arsan
Assistants	
Goals	To teach the essentials of economics and its' core concepts' relevance with health-care.
Content	Tools and concepts of traditional microeconomics theory, health production function, cost & benefit analysis, demand for health insurance and health care markets.

Learning Outcomes: At the end of this course, the student should be able to:	Program Learning Outcomes	Teaching Methods	Assessment Methods
1) Understands the applications of micro-economic theories in health related areas.	1.1.4,1.1.9,2.3.2,2.4.2, 2.5.2,3.2.1	1,2,3	A, G, H, KS
2) Understands the causes of market failure.	1.1.4,1.1.9,2.3.2,2.4.2, 2.5.2,3.2.1	1,2,3	A, G, H, KS
3) Knows the factors effecting the Demand for health.	1.1.4,1.1.9,2.3.2,2.4.2, 2.5.2,3.2.1	1,2,3	A, G, H, KS
4) Knows health insurance supply and demand.	1.1.4,1.1.9,2.3.2,2.4.2, 2.5.2,3.2.1	1,2,3	A, G, H, KS
5) Understands how health care market operates.	1.1.4,1.1.9,2.3.2,2.4.2, 2.5.2,3.2.1	1,2,3	A, G, H, KS

Teaching Methods	1: Lecture, 2: Question-Answer, 3: Case Discussion, 4: Presentation
Assessment Methods	A: Testing, G: Participation, H: Homework, KS: Quiz

COURSE CONTENT		
Week	Topics	Study Materials
1	Introduction to Health-Care & Economics	Bade & Parkin 1 – Folland 1 – Santerre 2
2	Economics, Essential Questions in Economics & Economic Analysis	Bade & Parkin 2 - Folland 2
3	Economic Models, Systems, and Market Mechanism	Bade & Parkin 3
4	Supply, Demand, Equilibrium and Government Intervention	Bade & Parkin 4-7 - Folland 2
5	Supply and Demand Elasticities	Bade & Parkin 5- Folland 2
6	Efficiency & Fairness of Markets	Bade & Parkin 6
7	Market Failure - Externalities	Bade & Parkin 10 - Folland 9
8	Mid Term Exam	
9	Health Production Function	Folland 4
10	Cost Benefit Analysis, Time Value of Money & Discounting	Rosen 8 – Folland 24 – Santerre 3
11	Demand for Health Insurance	Santerre 6 – Folland 7
12	Health Care Market	Bade & Parkin 12 - Rosen 9
13	Health Care Market (Cont'd)	Bade & Parkin 12 - Rosen 9
14	Final Exam	

RECOMMENDED SOURCES	
<b>Textbook</b>	1. The Economics of Health and Health Care, Folland, Goodman & Stano, Prentice Hall, 4 <sup>th</sup> Ed. 2. Foundations of Economics, Bade and Parkin, Pearson, 6 <sup>th</sup> Ed.
<b>Additional Resources</b>	3. Public Finance, Rosen ve Gayer, Mc Graw Hill, 9 <sup>th</sup> Ed. 4. Health Economics: Theories, Insights and Industry, S., Santerre & Neun, South Western, 5 <sup>th</sup> Ed.

MATERIAL SHARING	
<b>Documents</b>	Slides and lecture notes will be shared
<b>Assignments</b>	Shared
<b>Exams</b>	Not shared

<b>COURSE CATEGORY</b>	Free Elective
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<b>COURSES CONTRIBUTION TO PROGRAM</b>					
<b>COMPETENCE AREA-1 / Professional Practices</b>	<b>Contribution</b>				
<b>COMPETENCE 1.1. Health Service Provider</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Competency 1.1.1.</b> Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.					
<b>Competency 1.1.2.</b> Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.					
<b>Competency 1.1.3.</b> Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.					
<b>Competency 1.1.4.</b> Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.			X		
<b>Competency 1.1.5.</b> Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.					
<b>Competency 1.1.6.</b> Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.					
<b>Competency 1.1.7.</b> Performs interventional and/or non-interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.					
<b>Competency 1.1.8.</b> Provides healthcare services considering patient and employee health and safety.					
<b>Competency 1.1.9.</b> Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.			X		
<b>COMPETENCE AREA-2 / Professional Values and Approaches</b>	<b>Contribution</b>				
<b>COMPETENCE 2.1. Adopting Professional Ethics and Principles</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Competency 2.1.1.</b> Considers good medical practices while performing the profession.					
<b>Competency 2.1.2.</b> Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.					
<b>Competency 2.1.3.</b> Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.					
<b>Competency 2.1.4.</b> Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.					
<b>COMPETENCE 2.2. Health Advocate</b>					
<b>Competency 2.2.1.</b> Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.					
<b>Competency 2.2.2.</b> Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.					
<b>Competency 2.2.3.</b> Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the					

improvement of healthcare quality.					
<b>Competency 2.2.4.</b> Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.					
<b>COMPETENCE 2.3. Leader-Manager</b>					
<b>Competency 2.3.1.</b> Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.					
<b>Competency 2.3.2.</b> Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.				X	
<b>COMPETENCE 2.4. Team Member</b>					
<b>Competency 2.4.1.</b> Communicates effectively within the healthcare team and takes on different team roles as necessary.					
<b>Competency 2.4.2.</b> Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.				X	
<b>Competency 2.4.3.</b> Works collaboratively and effectively with colleagues and other professional groups in professional practice.					
<b>COMPETENCE 2.5. Communicator</b>					
<b>Competency 2.5.1.</b> Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.					
<b>Competency 2.5.2.</b> Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.				X	
<b>Competency 2.5.3.</b> Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.					
<b>COMPETENCE AREA-3 / Professional and Personal Development</b>	<b>Contribution</b>				
<b>COMPETENCE 3.1. Scientific and Analytical Approach</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Competency 3.1.1.</b> Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.					
<b>Competency 3.1.2.</b> Accesses and critically evaluates current literature related to their profession.					
<b>Competency 3.1.3.</b> Applies evidence-based medicine principles in the clinical decision-making process.					
<b>Competency 3.1.4.</b> Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.					
<b>COMPETENCE 3.2. Lifelong Learner</b>					
<b>Competency 3.2.1.</b> Manages effectively individual study processes and career development.			X		
<b>Competency 3.2.2.</b> Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.					
<b>Competency 3.2.3.</b> Selects the right learning resources to improve the quality of health care and organizes the learning process.					

ASSESSMENT		
IN-TERM STUDIES	NUMBER	PERCENTAGE
Mid-terms	1	80
Quizzes, Homeworks	5	5
Attendance	14	15
	Total	100
Contribution of Final Examination to Overall Grade		45
Contribution of In-Term Studies to Overall Grade		55
	Total	100

ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COUSE DESCRIPTION				
Activities		Quantity	Duration (Hour)	Total Workload (Hour)
Course Duration (Including the Exam week: 16 x Total Course Hours)		14	2	28
Hours for off-the-classroom study (Pre-study, practice)		14	1,5	21
Mid-Terms		1	2	2
Quizzes		5	0,20	1
Homework		2	1	2
Final Examination		1	2	2
Total Workload				56
Total Work Load / 30 (h)				1,87
ECTS Credit of the Course				2