

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HEALTH TECHNOLOGY ASSESSMENT	SAYY1163620	Fall Semester	3+0	3	8
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Second Cycle (Master's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Erman GEDİKLİ				
Name of Lecturer(s)	Prof.Dr. Hakan TOZAN				
Assistant(s)					
Aim	The aim of this course is to teach the methods of evaluation and analysis of health technologies, to enable the evaluation of health technologies in terms of clinical effectiveness, cost effectiveness, reliability and acceptability, to gain the necessary skills to support the technology choices of policy makers, health professionals and managers in health services.				
Course Content	This course contains; Definition and importance of health technology assessment.,Types and examples of health technologies, basic steps of the evaluation process.,Design and analysis of clinical trials, evaluation of various methods for clinical efficacy assessment,Basic principles of cost-effectiveness analysis, evaluation of sample applications related to analysis,Technology acceptability factors and analysis,Evaluate the reliability and safety aspects, ethics and assurance of health technology.,Evaluating the ethics and assurance of health technology.,Examination of health technology assessment tools,Examination of sample health technology assessment models and data sources,Students do their own evaluation studies in groups,Students do their own evaluation studies in groups-II,Students do their own evaluation studies in groups-III,Analysing the role of health technology assessment in policy and decision-making processes,National and international health technology assessment studies, future health technology assessment trends and challenges.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Understands the basic concepts of Health Technology Assessment.			16, 9	A, E, G	
Gains the ability to evaluate clinical efficacy.			10, 16, 19, 9	A, E	
Gains the ability to evaluate health technologies in terms of acceptability and reliability.			10, 16, 19, 9	A, E, F	
Prepares and presents Health Technology Assessment reports.			10, 12, 16, 6, 9	A, E, G	
Understands the role of health technology assessment in policies and practices.			10, 14, 16, 19, 5, 9	A, E, F	
Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 14: Self Study Method, 16: Question - Answer Technique, 19: Brainstorming Technique, 5: Cooperative Learning, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework, F: Project Task, G: Quiz				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Definition and importance of health technology assessment.	Examining the lecturer notes			
2	Types and examples of health technologies, basic steps of the evaluation process.	Examining the lecturer notes			
3	Design and analysis of clinical trials, evaluation of various methods for clinical efficacy assessment	Examining the lecturer notes			
4	Basic principles of cost-effectiveness analysis, evaluation of sample applications related to analysis	Examining the lecturer notes			
5	Technology acceptability factors and analysis	Examining the lecturer notes			
6	Evaluate the reliability and safety aspects, ethics and assurance of health technology.	Examining the lecturer notes			
7	Evaluating the ethics and assurance of health technology.	Examining the lecturer notes			
8	Examination of health technology assessment tools	Examining the lecturer notes			
9	Examination of sample health technology assessment models and data sources	Examining the lecturer notes			
10	Students do their own evaluation studies in groups	Examining the lecturer notes			
11	Students do their own evaluation studies in groups-II	Examining the lecturer notes			
12	Students do their own evaluation studies in groups-III	Examining the lecturer notes			
13	Analysing the role of health technology assessment in policy and decision-making processes	Examining the lecturer notes			
14	National and international health technology assessment studies, future health technology assessment trends and challenges	Examining the lecturer notes			
Evaluation Methods		Weight(%)			
Midterm Exam		50			
General Exam		50			

Resources
Çetin, A. (2018). Sağlık Teknolojisi Yönetimi ve Değerlendirme. Nobel Akademik Yayıncılık.
Drummond, M. F., Sculpher, M. J., Claxton, K., Stoddart, G. L., & Torrance, G. W. (2015). Methods for the Economic Evaluation of Health Care Programmes. Oxford University Press.
Weinstein, M. C., Siegel, J. E., Gold, M. R., Kamlet, M. S., & Russell, L. B. (1996). Recommendations of the Panel on Cost-effectiveness in Health and Medicine. JAMA, 276 (15), 1253-1258.