

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

PHILOSOPHY of SCIENCE & MEDICINE

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHILOSOPHY of SCIENCE & MEDICINE	ISM1011233	Yearly	10+0	0	1
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Committee Course				
Course Coordinator	Prof.Dr. Zekai ŞEN				
Name of Lecturer(s)	Prof.Dr. Zekai ŞEN				
Assistant(s)					
Aim	To present to the students examples of development stages of science and its contribution to the medical education.				
Course Content	This course contains; Basic problems in philosophy of science and medicine, Science and philosophy relation in antiquity, The relationship between modern view of nature and medical philosophy, Ontology and medicine relation, Epistemology and medicine relation, Ethics and medicine relation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Explain universe-centric scientific understanding.			16, 18, 9	A, E, F, H	
Explain earth-centric scientific understanding.			16, 18, 9	A, E, F, H	
Explains world views from an historical perspective.			16, 18, 9	A, E, F, H	
Explain scientific research program of Lakatos.			16, 18, 9	A, E, F, H	
Explain paradigm principle of Kuhn.			16, 18, 9	A, E, F, H	
Explain falsification principle of Popper.			16, 18, 9	A, E, F, H	
Explains the prominent figures and their theories in philosophy of science.			16, 18, 9	A, E, F, H	
Explain what scientific knowledge means.			16, 18, 9	A, E, F, H	
Explain the difference between scientific knowledge and normal knowledge.			16, 18, 9	A, E, F, H	
Understands what the philosophy of science represents.			16, 18, 9	A, E, F, H	
Teaching Methods	16: Question - Answer Technique, 18: Micro Teaching Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework, F: Project Task, H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Basic problems in philosophy of science and medicine	Previewing book and lecture notes.			
2	Science and philosophy relation in antiquity	Previewing book and lecture notes.			
3	The relationship between modern view of nature and medical philosophy	Previewing book and lecture notes.			
4	Ontology and medicine relation	Previewing book and lecture notes.			
5	Epistemology and medicine relation	Previewing book and lecture notes.			
6	Ethics and medicine relation	Previewing book and lecture notes.			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Course notes of lecturer.					