Module Layout
BIHII614 / Bioethics, Medical Ethics and Artificial Intelligence

Faculty	*ΣΑΚΕ*	*School of Humanities and Social Sciences*		
Programme of Study	*BIHII*	*Bioethics - Healthcare Ethics*		
Module	*BIHII614*	*Bioethics, Medical Ethics and Artificial Intelligence*		
Level of Study	**Undergraduate**	**Graduate**	**Master**	**Doctoral**
		X		
Language of Instruction		Greek		
Mode of Delivery		Distance		
Module Type	**Required**	**Elective**		
	X			

Number of Group Consulting Meetings	***Total***	***Physical Presence***	***Online***
	4	**0**	**4**

Number of Assignments	*2*		
Final Grade Calculation	**Assignments**	**Weekly Activities**	**Final Exam**
	30%	*10%*	*60%*
Number of European Credit Transfer System (ECTS)	*10*		

Module Description
This module is compulsory and common to both concentrations. It aims at the critical examination of the ethical, social, medical and institutional questions arising from the development and application of Artificial Intelligence systems in healthcare, medical research, public health and patient care. Within the framework of the module, the possibilities and risks of AI are examined in areas such as diagnosis, prognosis, clinical decision-making, personalised medicine, the processing of medical data, the management of health systems, telemedicine, medical research and the use of large language or multimodal models in healthcare practice. Particular emphasis is placed on issues of autonomy, informed consent, protection of personal and sensitive data, algorithmic bias, discrimination, transparency, explainability, accountability and the distribution of responsibility among the physician, the patient, the technologist, the healthcare institution and the AI system. The module also

analyses how AI transforms the medical relationship, the concept of trust, the role of the healthcare professional and the limits of human judgement in clinical practice. The module approaches AI not as a neutral technical tool but as a technological and social phenomenon that affects human dignity, justice in access to health services, the protection of vulnerable groups and the democratic governance of medical innovation. The objective is for students to acquire the theoretical and practical background required for the ethical evaluation of AI applications in healthcare and for the formulation of responsible, human-centred and rights-based frameworks for their use.

Pre-requisite Modules	

Co-requisite Modules	

Grading Scheme			
Assessment Method	***Percentage on Final Grade***	***Workload***	
		Hours	***ECTS***
Weekly Interactive Activities	*10%*	*12.5–15*	*0.5*
Weekly Study	*0%*	*125–150*	*5*
Assignment 1	*15%*	*37.5–45*	*1.5*
Assignment 2	*15%*	*37.5–45*	*1.5*
Final/Repeat Examination	*60%*	*37.5–45*	*1.5*
Total	**100%**	***250–300***	***10***

Grading Rules and Assessment Methods
Students are evaluated with 9, if they earn 90% of the possible grade, i.e. 90%*10=9, etc. Passing rate: 50% of the Assignments; 50% of the Interactive Activities. Students are allowed to participate in the final exam of a Module if they have overall earned the minimum grade (≥ 50%) in both their Assignments and Interactive Activities. 50% of the Final exam. If a student earns a grade with decimal points, then it is rounded to the nearest half unit.