

Course Specification

توصيف المقرر

1. Basic Information

Course Title (according to the bylaw)	Ethical and legal issues			
Course Code (according to the bylaw)	310TRMI			
Department/s participating in delivery of the course	Technology of Radiology and Medical Imaging			
Number of credit hours/points of the course (according to the bylaw)	Theoretical	Theoretical	Theoretical	Theoretical
	1	1	1	1
Course Type	Compulsory			
Academic level at which the course is taught	Level 3 – 2 nd Semester			
Academic Program	Technology of Radiology and Medical Imaging			
Institute	High Technology Institute of Applied Health Sciences			
Academy	Nile Delta for sciences			
Name of Course Coordinator	Dr/Ragaa Said Hussein, Lecturer of Biochemistry and Clinical Biochemistry			
Course Specification Approval Date	Department Council No. 2, date:			

	(21 – 09 – 2024)
Course Specification Approval (Attach the decision/minutes of the department /committee/council)	

2. Course Overview (Brief summary of scientific content)

This course introduces the legal aspects that determine the rights of patients and that of the personnel giving or sharing in healthcare services. Health ethics focuses on the study of principles of right and wrong conducts for the health professionals behavior with special emphasis on the field of radiology and medical imaging technology

3. Course Learning Outcomes CLOs

Matrix of course learning outcomes CLOs with program outcomes POs (NARS/ARS)

Program Outcomes (ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
Pos 2.1.2	Ensure confidentiality, privacy of patients' information, comfort, preparation and ethical standards in all radiology procedures.	Clos 1	Demonstrate understanding of key ethical theories and principles (e.g., autonomy, beneficence, justice, non-maleficence).
		Clos 2	Understand the consequences of ethical and legal violations on individuals, organizations, and society
		Clos 3	Describe the roles of legal institutions and ethical bodies in regulating and guiding professional behavior
Pos 2.1.3	Practice in an ethical and professional manner	Clos 4	Explain the legal frameworks and regulations relevant to professional practice in their field..

Program Outcomes (ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
	consistent with relevant legislation and regulatory requirements in medical imaging	Clos 5	Recognize the relationship between ethics, law, and professional standards
Pos 4.1.2	Apply critical and reflective thinking to resolve questions	Clos 6	Analyze complex ethical and legal dilemmas using critical thinking and structured reasoning.
		Clos 7	Apply ethical frameworks and legal knowledge to justify decisions in case studies or real-life scenarios.
		Clos 8	Compare and contrast different ethical theories and legal approaches to professional issues
Pos 4.2.3	Apply clear, respectful, and culturally sensitive communication techniques to ensure that patients, families, and community members understand the purpose, process, and implications of radiology and imaging procedures	Clos 9	Evaluate ethical arguments and legal decisions based on logical, moral, and contextual considerations.
		Clos 10	Apply ethical frameworks and legal knowledge to justify decisions in case studies or real-life scenarios.
Pos 4.2.1	Communicate effectively and develop collaborative relationships with all healthcare team	Clos 11	Influences and interacts well with others in the workplace
Pos 4.1.3	Take responsibility for one's action and decision in practice	Clos 12	High efficiency in problem-solving procedures at the individual or institutional level

Program Outcomes (ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
Pos 2.1.1	Exhibit appropriate professional behaviors and relationships in all aspects of medical imaging practice	Clos 13	Use professional codes of conduct and legal guidelines to resolve workplace dilemmas .effectively
		Clos 14	Demonstrate appropriate ethical judgment in handling sensitive or confidential information
		Clos 15	Recognize and respond appropriately to ethical and legal risks in professional settings

4. Teaching and Learning Methods

- 1-1-Interactive lecturers
- 2-.Self directed learning
- 3-Clinical Learning (evaluation of case review/ discussion).
- 4-Practical Learning

Number of the Week	Scientific content of the course (Course Topics)	Total Weekly Hours	Expected number of the Learning Hours			
			Theoretical teaching (lectures/discussion groups/)	Training (Practical/ Clinical/)	Self-learning (Tasks/ Assignments/ Projects/ ...)	Other (to be determined)
1	Introduction of Ethics	2hr	1hr	2hr	-	-
2	Confidentiality	2hr	1hr	2hr	-	-
3	Cases about Confidentiality	2hr	1hr	2hr	-	-
4	Ethics of technology	2hr	1hr	2hr	-	-
5	Ethics of work place	2hr	1hr	2hr	-	-
6	Midterm	-	-	-	-	-
7	Team Work	2hr	1hr	2hr	-	-
8	Medical Ethics	2hr	1hr	2hr	-	-
9	Cases about medical ethics	2hr	1hr	2hr	-	-
10	Practical ethics cases	2hr	1hr	2hr	-	-
11		2hr	1hr	2hr	-	-
12		2hr	1hr	2hr	-	-
13	Revision	2hr	1hr	2hr	-	-
14	Practical exam	-	-	-	-	-
15	Final exam	-	-	-	-	-

Course Schedule

5. Methods of students' assessment

No.	Assessment Methods *	Assessment Timing (Week Number)	Marks/ Scores	Percentage of total course Marks
1	Exam 1 written (Semester work)	6 th	20	20%
2	Exam 2 (Semester work)	-----	-----	-----
3	Final Written Exam	15 th	50	50%
	Final Practical/Clinical/... Exam	14 th	30	30%

	<i>Final Oral Exam</i>	-----	-----	-----
	<i>Assignments / Project /Portfolio/ Logbook</i>	-----	-----	-----
	<i>Field training</i>	-----	-----	-----
	<i>Other (Mention)</i>	-----	-----	-----

*** The methods mentioned are examples, the organization may add and/or delete**

6. Learning Resources and Supportive Facilities *

Learning resources (books, scientific references, etc.) *	The main (essential) reference for the course (must be written in full according to the scientific documentation method)	Global Health Ethics
	Other References	Practical Ethics by Peter Singer
	Electronic Sources (Links must be added)	:Knowledge bank https://www.ekb.eg/ar
	Learning Platforms (Links must be added)	/https://bislms.mans.edu.eg
	Other (to be mentioned)	
Supportive facilities & equipment for teaching and learning *	Devices/Instruments	Computer and projectors
	Supplies	Whiteboard, Whiteboard Markers
	Electronic Programs	Ibn al-Haytham program
	Skill Labs/ Simulators	
	Virtual Labs	
	Other (to be mentioned)	

*** The list mentioned is an example, the institution may add and/or delete depending on the nature of the course**

**Name and Signature
Course Coordinator**

: Dr/Ragaa Said Hussein

**Name and Signature
Program Coordinator**



: Dr/ Ragaa Said Hussein