



RMI Graduate attributes

DEPARTMENT OF RADIOLOGICAL SCIENCES AND MEDICAL IMAGING

Graduates Attributes - Department of Radiological sciences and Medical Imaging

Definition:

The Graduates Attributes of the University of Majmaah are: a set of knowledge, skills, traits, values and abilities, which qualify the graduate to succeed in life and build a successful future and must be included as results

To learn in all programs offered, with appropriate educational strategies and student assessment formats used.

The importance of the Graduates Attributes:

- Contribute to the realization of Saudi Vision 2030 by building qualified national cadres capable of achieving the requirements of the labor market and local, regional, and worker competition.
- Represents a good academic program at Al Majmaah University to build its educational outcomes.
- Contribute to the development of study plans and direct them towards the purpose of these characteristics.
- Academic programs help in developing the content of the curriculum.
- Represents the teaching strategies and evaluation methods in academic programs.
- Helps provide faculty members with modern teaching strategies.

Aligning and measuring Graduates Attributes and learning outcomes at the program and university level:

- The Graduates Attributes of the program are compatible with the university's learning outcomes and with the characteristics of university graduates.
- The Graduates Attributes of the program are compatible with the outputs of the program.
- The Graduates Attributes of the program are aligned with the mission of the program
- Graduates Attributes have been determined for the Department of Radiology and Medical Imaging, and the department will review and update them periodically, according to the requirements of the labor market.

Graduates Attributes at the University of Majmaah:

In the light of the study, analysis, review and audit, the results showed that the graduate of the University of the University has the following characteristics:

CO DE		Graduate Attributes
Knowledge	(ILO1.1)	Mastery of knowledge: Possessing knowledge and understanding of facts, information and theories related to the discipline.
	(ILO2.1)	Knowledge Management: Application of concepts, principles and theories involved in addressing issues related to the discipline.
Skills	(ILO2.2)	Critical thinking: evaluation and analysis of data and information related to the specialization.
	(ILO2.3)	Innovation: Proposing and developing innovative solutions to issues and problems in the field of specialization.
	(ILO2.4)	Practical skills: Ability to use tools, materials and devices related to the specialty.
	(ILO2.1)	Digital skills: Possess the skills to effectively use modern digital applications .
	(ILO2.5)	Leadership and teamwork: The ability to work in a team and lead it effectively, make appropriate decisions and take responsibility.
	(ILO2.6)	Communication skills: Possess effective written and oral communication skills.
	(ILO2.7)	Sustainability of learning: continuous learning and the search for knowledge that achieves personal and professional development.
Values	(ILO3.1)	Integrity: integrity, honesty , transparency, and ethics of specialization and professional ethics for which he qualifies.
	(ILO3.2)	Social Responsibility: The initiative in voluntary work to develop its local community in a sense of social responsibility.
	(ILO3.3)	Patriotism: Commitment to loyalty and belonging to the homeland, and the representation of Islamic values in light of understanding other cultures.

Graduates Attributes of the Radiological sciences and Medical Imaging Program:

code	Properties**	Domain
1.1	Have the ability to interpret basic theories, concepts and terminology in medical imaging taking into account radiation protection regulations.	Knowledge
1.2	Apply advanced radiological technology knowledge in the field of radiology and medical imaging and apply research solutions in the societal and global context.	
2.1	Proposing and developing innovative solutions in the fields of radiology and medical imaging according to methodological and scientific bases.	Skills
2.2	Ability to use tools, devices and instrumentations in the practice of profession and to work effectively as a leader or a team member.	
2.3	Possess effective written and verbal communication skills to develop educational and clinical abilities in the field of radiology.	
3.1	Ethical and professional ethics in radiology, social responsibility and enhancing the quality of life.	Values
3.2	Commitment to loyalty and belonging to the homeland and the promotion of peaceful and social values in the field of radiological sciences.	

* Property domains should be taken into account when coding.

** The program is not restricted to a specific number of features and preferably not to exceed (6) features. Taking into account during the formulation of the graduate attributes the nature of the program, specialization and level (diploma, bachelor's, master's).)

Matrix for aligning the Graduates Attributes of the program with the Graduates Attributes of the university:

		Graduates Attributes of university										
		(ILO1.1)	(ILO2.1)	(ILO2.2)	(ILO2.3)	(ILO2.4)	(ILO2.5)	(ILO2.6)	(ILO2.7)	(ILO3.1)	(ILO3.2)	(ILO3.3)
Graduates Attributes of program	1.1	✓	✓									
	1.2		✓	✓								
	2.1			✓	✓							
	2.2		✓				✓	✓				
	2.3							✓	✓			
	3.1								✓	✓	✓	
	3.2										✓	✓

- To describe the link, the symbol (✓) is used

Matrix for aligning the program learning outcome with the Graduate Attributes of the program

		Graduate Attributes of the program						
		1.1	1.2	2.1	2.2	2.3	3.1	3.2
Program learning outcome	K1	✓						
	K2		✓	✓				
	K3			✓				
	K4			✓	✓			
	S1			✓	✓			
	S2			✓	✓			
	S3				✓	✓	✓	✓
	S4				✓	✓		✓
	V1					✓	✓	
	V2				✓	✓	✓	
	V3						✓	

- To describe the link, the symbol (✓) is used

Coherence between the mission and attributes of the program's graduates :

Build advanced academic skills in radiological sciences, including scientific, technical, and behavioral competencies, to graduate highly skilled and qualified individuals. In addition, contribute to society by providing advanced services within an innovative academic environment

Graduates Attributes	Program mission			
	Scientifically - Skill - Behavioral	Outstanding competencies	Creativity Competencies	Advanced Academic Environment
Have the interpretation of theories, concepts and basic terminology in Medical imaging taking into account radiation protection regulations.	✓			
Application of advanced radiologic technology knowledge in the field of radiology Medical imaging and the application of research solutions in scientific and global formulation	✓			✓
Proposing and developing innovative solutions in the fields of radiological sciences and Medical imaging according to methodological and scientific bases.		✓	✓	
Ability to use tools, materials and devices in the practice of profession Work effectively as a leader or a team member.	✓		✓	✓
Possess the skills of communication for my book and effective healing to develop abilities Educational and clinical in the field of radiological sciences.	✓		✓	✓
Ethical and professional ethics in radiology and sensing sciences social responsibility and enhancing the quality of life.	✓	✓	✓	
Commitment to loyalty and belonging to the homeland and the promotion of peaceful and social values In the field of radiological sciences.	✓	✓	✓	

Matrix of educational activities supporting the achievement of the learning outcomes of the program:

Educational activities supporting the achievement of the learning outcomes of the program:															
Method of education	Program Learning Outcomes (PLOs)														
	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	3.1	3.2	3.3				
Lecture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Discussion	✓	✓	✓	✓	✓			✓			✓				
Teamwork								✓	✓						
Brainstorming					✓		✓		✓		✓				
Projects					✓					✓					
Case Study				✓			✓								
Problem solving						✓				✓					
Discussion Groups					✓		✓				✓				
Training							✓	✓		✓	✓				
Attend a training course				✓		✓									
Volunteer work or voluntary initiative								✓			✓				
Practical or field training and exercises					✓		✓	✓	✓						
Seminar								✓			✓				
Questionnaire Analysis	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
To support the achievement of learning outcomes, 5 marks should be allocated for volunteer work and attend training courses should be assigned to students to implement small projects in all courses and 10 marks should be allocated to the project.															