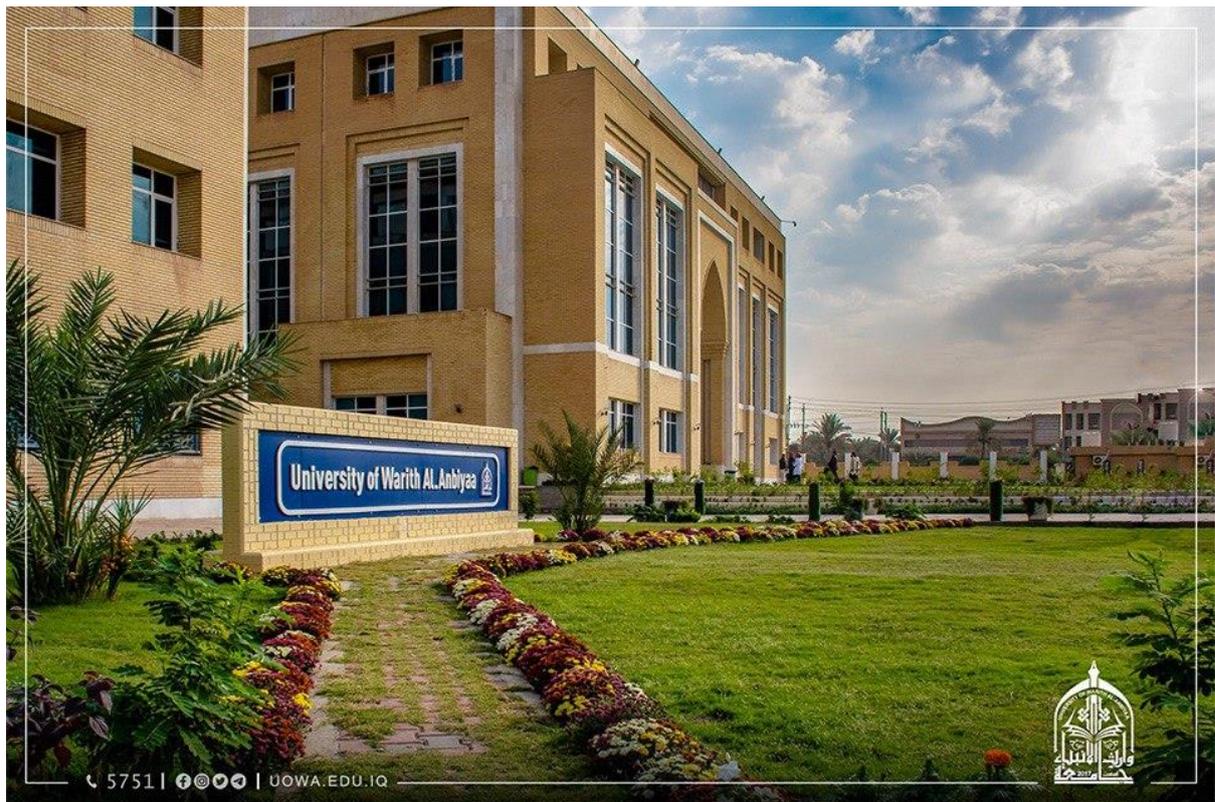


Ministry of Higher Education and  
Scientific Research - Iraq  
University of Warith Al-Anbiyaa  
College of Advanced Technologies  
Department of Radiology and Nuclear Medicine



*First Cycle – Bachelor's degree (B.Sc.) – Radiology and Nuclear  
Medicine*



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### 1- Mission & Vision Statement

#### Vision Statement

The Department of Radiology and Nuclear Medicine aspires to achieve excellence and leadership in technical medical education and scientific research in the fields of medical imaging and nuclear medicine, and to contribute to the advancement of healthcare services by graduating highly competent professionals with strong scientific and practical qualifications, who adhere to professional ethics and keep pace with global developments in diagnostic and therapeutic imaging technologies, while ensuring the highest standards of radiation safety for patients and healthcare personnel.

#### Mission Statement

The Department of Radiology and Nuclear Medicine is committed to providing high-quality technical medical education that integrates theoretical knowledge with practical skills to prepare distinguished graduates for clinical and academic practice. The department offers a modern and stimulating learning environment that supports scientific research, innovation, critical thinking, and problem-solving skills. It aims to graduate qualified professionals capable of delivering safe and effective diagnostic and therapeutic services, adhering to quality standards, confidentiality, professional ethics, and radiation safety for patients and healthcare personnel, while contributing to the advancement of healthcare services in the community.

## 2- Program Specification

<b>Programmed code:</b>	BSc-Radiology and Nuclear Medicine	<b>ECTS</b>	240
<b>Duration:</b>	4 levels, 8 Semesters	<b>Method of Attendance:</b>	Full Time

The Radiology and Nuclear Medicine program aims to provide students with a comprehensive scientific and practical education in medical imaging and nuclear medicine. The program integrates theoretical knowledge with hands-on clinical training to prepare graduates for professional practice in hospitals, diagnostic centers, and research institutions. It emphasizes the application of advanced imaging technologies, radiation safety, and patient-centered care.

## 3- Program Objectives

**The program aims to:**

- Provide high-quality education in radiologic sciences and nuclear medicine.
- Develop competent graduates capable of performing diagnostic imaging and nuclear medicine procedures.
- Enhance students' clinical, analytical, and problem-solving skills.
- Promote research and innovation in medical imaging and nuclear medicine.
- Instill professional ethics, communication skills, and patient safety principles.

## 4- Student Learning Outcomes

Graduates of the program will be able to:

1. Apply fundamental principles of medical imaging and nuclear medicine in clinical settings.
2. Demonstrate competence in operating imaging and nuclear medicine equipment safely and effectively.
3. Apply radiation protection principles for patients, staff, and the environment.
4. Perform patient preparation, positioning, and protocol selection for diagnostic procedures.
5. Analyze and interpret imaging findings and nuclear medicine data.
6. Demonstrate clinical decision-making and problem-solving skills.
7. Communicate effectively with patients and healthcare teams.
8. Adhere to professional ethics, legal requirements, and quality assurance standards.
9. Conduct or participate in research and evidence-based practice.
10. Demonstrate readiness for lifelong learning and professional advancement.

## 5- Academic Staff

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## 6- Credits, Grading and GPA

### Credits

(Name) University is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

### Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX – Fail	راسب - قيد المعالجة	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				

Number Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

### Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

$$\text{CGPA} = [ (1^{\text{st}} \text{ module score} \times \text{ECTS}) + (2^{\text{nd}} \text{ module score} \times \text{ECTS}) + \dots ] / 240$$

## 7- Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
UOW1001	English 1	45	5	2.00	B	
RSNM100	Principles of Biology I	88	87	7.00	C	
RSNM101	Principles of Chemistry I	74	101	7.00	C	
RSNM102	College Algebra	46	104	6.00	C	
RSNM103	Anatomy and Physiology I	74	126	8.00	C	

## 8- Contact

Program Manager:

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Mobile no.: 07724099504

Program Coordinator:

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