هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-151

Program Specification
(Bachelor)

Program:	Bachelor in Radiological Sciences
Program Code (as per Saudi university ranking):	374000
Qualification Level:	6th Level
Department:	Department of Radiological Sciences
College:	College of Applied Medical Sciences
Institution:	Taif University
Program Specification:	New ☐ updated* ☒
Last Review Date:	1/9/2023

*Attach the previous version of the Program Specification.

Table of Contents

A. Program Identification and General Information

1. Program's Main Location :

King Abdul-Aziz Specialist Hospital Complex (Male and Female), Taif.

2. Branches Offering the Program (if any):

N/A

3. Partnerships with other parties (if any) and the nature of each:

N/A

4. Professions/jobs for which students are qualified

- **Computed Tomography Specialist**
- **Magnetic Resonance Imaging Specialist**
- **Ultrasound Specialist**
- **Nuclear Medicine Specialist**
- **Faculty member**
- **Research scientist**

5. Relevant occupational/ Professional sectors:

Graduates of the program can also work in a variety of healthcare institutions, including clinics, hospitals, and medical centers, and in education, industry and research center.

6. Major Tracks/Pathways (if any): None

Major track/pathway	Credit hours (For each track)	Professions/jobs (For each track)
N/A	N/A	N/A

7. Exit Points/Awarded Degree (if any): None

exit points/awarded degree	Credit hours
N/A	N/A

8. Total credit hours: (171)

B. Mission, Objectives, and Program Learning Outcomes

1. Program Mission:

Prepare qualified cadres in radiological sciences through educational, training and research approach to contribute to community service.

2. Program Goals:

1. To prepare qualified cadres with the essential and updated theoretical and clinical knowledge in radiological sciences.
2. To enhance the role of scientific research in alignment with recent advancements in radiological sciences.
3. To contribute in community health services through collaboration with relevant sectors

3. Program Learning Outcomes*

Knowledge and Understanding	
K1	Describe the relevant theories, principles, and basic concepts of medical imaging and radiation science.
K2	Identify the medical imaging instrumentations in radiation sciences.
K3	Recognize the principles of care and safety to the patient, self, colleagues, and public, and the recent developments in medical imaging and radiation sciences.
Skills	
S1	Perform the appropriate technique according to the patient's condition.
S2	Practice methods of medical radiation science inquiry, investigation, and research for safe handling of complex issues and problems.
S3	Analyze informed decisions about clinical practice within the accepted departmental protocols.
S4	Illustrate effective communication skills with the patient and other health staff.
S5	Operate medical imaging instrumentations properly using quality control tests.
Values, Autonomy, and Responsibility	
V1	Commit to the Islamic, ethical, and professional standards during medical radiology practice.
V2	Work collaboratively and constructively with progressive self-development.

* Add a table for each track or exit Point (if any)

C. Curriculum

1. Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	11	22	12.9 %
	Elective	0	-	-
College Requirements	Required	6	21	12.3%
	Elective	0	-	-
Program Requirements	Required	32	92	53.8%
	Elective	0	-	-
Capstone Course/Project	-	1	6	3.5%
Field Training/ Internship	-	2	30	17.5%
Residency year	-	-	-	-
Others	-	-	-	-
Total		52	171	100%

* Add a separated table for each track (if any) .

2. Program Courses

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 1	370111-4	Medical Biology (1).	Required	-	4	College
	370112-3	Medical Chemistry (1).	Required	-	3	College
	370113-3	Medical Statistics.	Required	-	3	College
	990211-2	Arabic Language Skills.	Required	-	2	Institution
	990311-2	University Study Skills.	Required	-	2	Institution
	999805-2	Intensive English (1).	Required	-	2	Institution
Level 2	370211-4	Medical Biology (2).	Required	370111-4	4	College
	370212-4	Medical Chemistry (2).	Required	370112-3	4	College
	370213-3	Medical Physics.	Required	-	3	College
	990112-2	Islamic Culture (Morals and Values).	Required	-	2	Institution
	999806-2	Intensive English (2).	Required	-	2	Institution
	999817-2	English for Health Sciences.	Required	-	2	Institution
Level 3	374210-4	Human Anatomy.	Required	370211-4	4	Program
	374211-2	Radiation Physics.	Required	370213-3	2	Program
	374212-2	Radiation Protection and Dosimetry.	Required	370213-3	2	Program
	374216-2	Patient Care and Ethics in Radiology.	Required	-	2	Program
	374217-2	Digital Image Acquisition and Display.	Required	370213-3	2	Program
	374224-4	Physiology.	Required	370211-4	4	Program
	20043207-2	Islamic Culture (medical jurisprudence).	Required	-	2	Institution
Level 4	374221-4	General Radiographic Techniques and Radiographic Anatomy (1).	Required	374210-4 374217-2	4	Program
	374222-3	Computerized Tomography Physics and Instrumentation.	Required	374211-2	3	Program
	374226-3	Diagnostic Radiography Instrumentation.	Required	-	3	Program
	374227-2	Radiation biology.	Required	374212-2	2	Program
	374314-4	Pathology.	Required	374224-4	4	Program
	105115-2	History of the Kingdom.	Required	-	2	Institution
Level 5	374312-3	Ultrasound Physics and Instrumentation.	Required	374226-3	3	Program
	374313-4	General radiographic Techniques and Radiographic Anatomy (2).	Required	374221-4	4	Program
	374316-3	Special Radiographic Techniques.	Required	374226-3	3	Program
	374317-3	Computerized Tomography Imaging Techniques.	Required	374222-3 374314-4	3	Program
	374318-3	Clinical practice in Radiography (1).	Required	374216-2 374221-4 374226-3	3	Program
	999814-2	Preparation for IELTS.	Elective	-	2	Institution
Level 6	374322-3	Nuclear Medicine Physics and Instrumentation.	Required	374226-3	3	Program
	374323-3	Ultrasound Imaging Techniques.	Required	374312-3 374314-4	3	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
	374324-2	Research Methodology.	Required	374318-3	2	Program
	374328-3	Clinical Practice in Radiography (2).	Required	374318-3	3	Program
	374329-2	Basics of Radiotherapy.	Required	374227-2	2	Program
	374413-3	Magnetic Resonance Imaging Physics and Instrumentation.	Required	374226-3	3	Program
	990111-2	Fundamentals of Islamic Culture.	Required	-	2	Institution
Level 7	374327-2	Medical Image Interpretation (1).	Required	374317-3 374328-3	2	Program
	374410-2	Interventional Radiology.	Required	374316-3 374317-3 374323-3	2	Program
	374411-3	Magnetic Resonance Imaging Techniques.	Required	374314-4 374413-3	3	Program
	374412-3	Nuclear Medicine Imaging Techniques.	Required	374322-3 374314-4	3	Program
	374415-4	Advanced Clinical Practice (1).	Required	374317-3 374323-3 374328-3	4	Program
	374418-2	Radiotherapy Techniques.	Required	374329-2	2	Program
	990414-2	Islamic culture (Human Rights).	Required	-	2	Institution
Level 8	374420-2	Neuroscience and Neuroimaging.	Required	374411-3 374412-3	2	Program
	374421-3	Medical Imaging Interpretation (2).	Required	374323-3 374327-2 374411-3 374412-3	3	Program
	374424-3	Quality Management in Radiology.	Required	374411-3 374412-3 374415-4	3	Program
	374425-4	Advanced Clinical Practice (2).	Required	374415-4	4	Program
	374426-6	Research Project.	Required	374324-2 374415-4	6	Program
Level 9	3745931-15	Intensive Training (1).	Required	Must complete all the program courses before registering the internship period	15	Program
Level 10	3745932-15	Intensive Training (2).	Required		15	Program

* Include additional levels (for three semesters option or if needed).
** Add a table for the courses of each track (if any)

3. Course Specifications:

Insert hyperlink for all course specifications using NCAAA template (T-104)

(Click here)

4. Program learning Outcomes Mapping Matrix:

Align the program learning outcomes with program courses, according to the following desired levels of performance *(I = Introduced & P = Practiced & M = Mastered).*

* Add a separated table for each track (if any).

Course code and No.	Program Learning Outcomes									
	Knowledge and understanding			Skills					Values, Autonomy, and Responsibility	
	K1	K2	K3	S1	S2	S3	S4	S5	V1	V2
370111-4	I			I						
370112-3	I	I		I						
370113-3	I				I					
990211-2	I									I
990311-2	I						I			I
999805-2	I						I			
370211-4	I			I						
370212-4	I	I			I					
370213-3	I					I				
990112-2		I	I							
999806-2		I	I							
999817-2		I	I							
374210-4	I			I						
374211-2	I	I	I		I					
374212-2	I		I		I		I			
374216-2			I	I			I		I	I
374217-2	I	I						I		
374224-4	I			I	I					
20043207-2	I								I	
374221-4	I		I	I		I	I		I	
374222-3	I	I			I			I		
374226-3		I					I	I	I	
374227-2	I		I		P					
374314-4	I				P	I				I
105115-2	I									I
374312-3	I	I	I					I	I	
374313-4	I	I		I	P	I			I	
374316-3	I	I	I	I	P					
374317-3	I			I			I			I
374318-3				P	P	P	I	P	I	I

Course code and No.	Program Learning Outcomes									
	Knowledge and understanding			Skills					Values, Autonomy, and Responsibility	
	K1	K2	K3	S1	S2	S3	S4	S5	V1	V2
999814-2	I						P			
374322-3	I	I		P	P			P		
374323-3	I		I	P					P	
374324-2	I		I		P	P			P	
374328-3				P	P	P	P	P	P	P
374329-2	I	I			P					
374413-3	I	I	I		P	P	P		P	
990111-2	I								P	
374327-2			I	P	M				P	P
374410-2	I			M				P		
374411-3	I	I	I	M	M		M			P
374412-3		I	I	M						P
374415-4				M	M	P	M	P	P	P
374418-2			I	M	M					
990414-2	I								M	P
374420-2	I	I		M						
374421-3			I	M	M				M	M
374424-3	I	I						M		
374425-4				M	M	M	M	M	M	M
374426-6					M	M			M	M
3745931-15				M	M	M	M	M	M	M
3745932-15				M	M	M	M	M	M	M

5. Teaching and learning strategies applied to achieve program learning outcomes.

Describe teaching and learning strategies, including curricular and extra-curricular activities, to achieve the program learning outcomes in all areas.

Teaching methods and learning strategies are explicitly supporting the philosophy of the program “Independent and life-long learning skills”

a. **Lecturing:** This is a teaching method where the information is transmitted from the instructor to the students.
b. **Case-Based Learning:** This is a form of discussion-based learning. “It introduces complex, ambiguous and real-world scenarios (cases) into the classroom. Case method is fully complying with life-long learning and supports the development of some essential skills for life, like communication, social, interpersonal, higher-level reasoning, problem-solving, and decision-making skills”.
   - The method is recommended for program both practical and theoretical courses that require to deal with complex problems and problem-solving.
   - Courses implementing this method are such as: ultrasound technique, magnetic resonance imaging (MRI) technique, computed tomography (CT) technique, general radiographic techniques, advanced clinical practical (1 and 2).

c. **Enquiry-Based Learning:** This method is to give the students a life-long insight into research as a method to create new knowledge and learning. "The approach focuses on the development of students' higher-order thinking skills. Enquiry-based learning can enhance the effectiveness of life-long learning since it emphasizes the importance of developing and fostering enquiring minds and attitudes in students; it enables them to continue the quest for knowledge throughout life".
   - The method is recommended for program practical courses mainly that require to deal with complex problems and problem-solving.
   - Courses implementing this method are such as: quality management in radiology, nuclear medicine (NM) physics and ultrasound physics.

d. **Problem-Based Learning:** This is an active learning approach in which individuals gain knowledge and skills through problem-solving. "The approach allows to develop effective problem-solving skills, self-directed learning ability, effective collaboration skills and intrinsic motivation. This teaching method fully complies with life-long learning demands since it supports building skills and abilities that are so valuable for today's world of constant change".
   - The method is recommended for program theoretical courses mainly that require to deal with complex problems and problem-solving in general.
   - Courses implementing this method are such as: radiation protection, basic radiotherapy, radiation biology.

e. **Project-Based Learning:** This method deals with projects in which "group of students work while developing life-long learning skills. It provides some key (social, communication, interpersonal, decision-making, problem-solving, leadership, trust-building) skills for individuals to meet the demands of today's constantly changing world".
   - The method is recommended for program research project course that require to deal with real-life problems.

Learning Domain	PLOs	Teaching strategies				
		Lecturing	Case-Based Learning	Enquiry-Based Learning	Problem-Based Learning	Project-Based Learning
Knowledge	K1	✓			✓	✓
	K2	✓		✓	✓	✓
	K3	✓	✓	✓	✓	✓
Skills	S1		✓	✓	✓	✓
	S2		✓	✓	✓	✓
	S3		✓		✓	✓
	S4		✓		✓	✓
	S5			✓	✓	✓
Values	V1		✓	✓	✓	✓
	V2		✓		✓	✓

6. Assessment Methods for program learning outcomes.

Describe assessment methods (Direct and Indirect) that can be used to measure the achievement of program learning outcomes in all areas.

The program should devise a plan for assessing Program Learning Outcomes (all learning outcomes should be assessed at least twice in the bachelor program's cycle and once in other degrees).

Direct Methods

1. Written exams (quiz, midterm, final, exit).
2. Oral exam.
3. Case-based exam.
4. Assignments.
5. Discussion-based evaluation using rubric system.
6. Practical exam e.g., OSPE.
7. Practical report.
8. Presentation (Oral and Poster).

Indirect Methods:

1. Surveys.

Learning Domain	PLOs	Assessment methods								
		Written exams (quiz, midterm, final, exit).	Oral exam	Case-based exam	Assignments	Discussion-based evaluation using rubric system	Practical exam e.g., OSPE	Practical report	Presentation (Oral and Poster)	Surveys
Knowledge	K1	✓			✓				✓	✓
	K2	✓			✓				✓	✓
	K3	✓								✓
Skills	S1	✓	✓	✓	✓	✓	✓	✓	✓	✓
	S2	✓	✓	✓	✓	✓	✓	✓	✓	✓
	S3	✓	✓			✓	✓	✓	✓	✓
	S4	✓	✓	✓	✓	✓	✓	✓	✓	✓
	S5	✓	✓		✓		✓	✓	✓	✓
Values	V1		✓		✓		✓		✓	✓
	V2		✓				✓		✓	✓

For further enquiries, check the Guide to education, learning and evaluation strategies at Taif University (Link).

D. Student Admission and Support:

1. Student Admission Requirements

Prerequisites for an online admission at Taif University:

1. The applicant must be a citizen or of a Saudi mother and a non-Saudi father.
2. Obtaining a high school diploma or its equivalent from inside or outside Saudi Arabia.
3. The applicant should not have been accepted before to study bachelor's degree program at Taif University.
4. The University does not accept any university certificate that has passed 5 years since its issuance date.

For further enquiries, check the Policies and Procedures Guide - Deanship of Admission and Registration (Link).

2. Guidance and Orientation Programs for New Students

(Include only the exceptional needs offered to the students of the program that differ from those provided at the institutional level).

The program provides a comprehensive orientation day for new students (both male and female) to ensure delivering a full understanding of all types of services and facilities available for them at the beginning of each academic semester and is performed whenever any new students are enrolled in the program as well. The orientation informs students about their rights and duties, the code of conduct, grievance, complaints, and discipline procedures.
By the end of the orientation, all students should be familiarized with the program's main identifications, study plan, teaching staff, job opportunities, and department plans. The policies and procedures manual is prepared to be available as a handout.
The orientation program includes information and instructions regarding:

- learning resources such as the library and the digital knowledge databases.
- Safety rules and regulations.
- Study and Exams Regulation (Link).
- Students' academic counseling.
- Participating in community services and voluntary works.
- Participating in students' activities.
- Disciplinary regulations for students (Link)
- Student rights and obligations at Taif University (Link).

3. Student Counseling Services

(Academic, professional, psychological and social)
(Include only the exceptional needs offered to the students of the program that differ from those provided at the institutional level).

The Academic Advising Committee of the program provides student guidance services. It prepares the academic guidance plans per semester as well as annually for all students. Also, the committee assigns each student to an academic adviser who offers personal, academic, psychological, and professional counseling to support the academic, behavioral, emotional, psychological, and social growth of the student.
Some of the student counseling services include:

- Discuss the study plan with every student at the beginning of each semester to determine which courses are available and can be enrolled in.
- Clarify the various university regulations.
- Discovering the student talents.
- Implementing different correction methods in case of failure in any subject.

4. Special Support

(Low achievers, disabled, gifted, and talented students).

The Academic Advising Committee of the program focuses on a special group of students who requires special support (e.g., low achievers, disabled, gifted, and talented students).

- Low achievers' students:
  The academic advisor and the Academic Advising Committee works collaboratively to plan on how to support the lower achievers. They facilitate meetings with the staff members in charge of teaching the course and provide struggling students with sufficient time to prepare for the test and/or nominate struggling students to enroll in the summer course.
- The distinguished and talented students:
  The program, in cooperation with the Talented Student Unit in the Deanship of Student Affairs, prepares a database of excellent students to priori them in participation in all academic and research developments within the University. Also giving them the opportunity to be directed to the available jobs or advised to appropriate programs for postgraduate studies. Excellent students will have the priority of active participation in the University's internal and external events (Link).

E. Faculty and Administrative Staff:

1. Needed Teaching and Administrative Staff

Academic Rank	Specialty		Special Requirements / Skills (if any)	Required Numbers		
	General	Specific		M	F	T
Professor	Radiological sciences or Radiologists	Neuroimaging.	-	1	1	2
		Interventional radiology.	-	1	1	2
		Nuclear or Molecular imaging.	-	1	1	2
Associate Professor	Radiological sciences or Radiologists	Neuroimaging.	-	1	1	2
		Interventional radiology.	-	1	1	2
		Nuclear or Molecular imaging.	-	1	1	2
		Radiation protection.	-	1	1	2
Assistant Professor	Radiological sciences or Radiologists	Ultrasound.	-	2	1	3
		Computed Tomography.	-	2	1	3
		Nuclear Medicine.	-	1	1	2
		Magnetic Resonance Imaging.	-	0	1	1
		General Diagnostic Imaging.	-	1	1	2
		Interventional Radiology.	-	1	1	2
Lecturer	Radiological sciences	General Diagnostic Imaging.	-	1	1	2
		General Diagnostic Imaging.	-	1	1	2

Academic Rank	Specialty		Special Requirements / Skills (if any)	Required Numbers		
	General	Specific		M	F	T
Teaching Assistant	Radiological sciences	Interventional Radiology.	-	1	1	2
		Neuroimaging.	-	1	1	2
Technicians and Laboratory Assistant	Applied sciences	Applied sciences.	-	2	0	2
Administrative and Supportive Staff	Secretary	-	-	1	0	1
Others (specify)	Diagnostic Imaging	Diagnostic Imaging.	-	2	2	4

F. Learning Resources, Facilities, and Equipment:

1. Learning Resources

Learning resources required by the Program (textbooks, references, and e-learning resources and web-based resources, etc.)

- The Saudi Digital Library (SDL) contains various learning materials and publications such as books, educational videos, scientific journals, and dissertations (Link).
- The University Central library.
- A list of required books and textbooks is prepared and revised at the end of each academic year based on the suggestions of all staff members.

2. Facilities and Equipment

(Library, laboratories, classrooms, etc.)

- The university's central library.
- Central laboratories.
- Central simulation laboratories.
- Classroom buildings.
- Radiology Department is equipped with Digital X-ray.
- Ultrasound laboratory.
- Computer laboratory.
- Radiation projection laboratory.
- Medical imaging equipment laboratory.
- Medical physics laboratory (X-ray, CT, MRI, and Ultrasound).
- Thermoluminescence dosimetry (TLD) readers laboratory.

3. Procedures to ensure a healthy and safe learning environment

(According to the nature of the program)

- Instructional signs.
- Electrical and fire safety precautions.
- Lead shielding for the X-ray room walls.
- Providing lead aprons to protect the staff and students from radiation.
- Providing staff and students with TLDs to monitor the radiation dose rate.

G. Program Quality Assurance:

1. Program Quality Assurance System

Provide a link to quality assurance manual.

To access the Radiological Sciences Program Quality Management System Manual, click here.

2. Procedures to Monitor Quality of Courses Taught by other Departments

a) Program Key Performance Indicators (KPIs).
b) Application of the PDCA closed cycle quality program.
c) Follow the procedures in the Quality Management System Manual at Taif University (Link).
d) Follow the procedures in the Applied Medical Sciences College's Quality Management System Manual (Link).
e) Follow the procedures in the Radiological Sciences Program's Quality Management System Manual (Link).

3. Procedures Used to Ensure the Consistency between Main Campus and Branches (including male and female sections).

a) Standardization of course descriptions.
b) Standardization of tests and assessment methods.
c) Course coordinators to ensure equality is achieved.
d) Representing members of all courses in relevant councils and committees.

4. Assessment Plan for Program Learning Outcomes (PLOs),

To access the Radiological Sciences Program PLOs assessment plan, click here.

5. Program Evaluation Matrix

Evaluation Areas/Aspects	Evaluation Sources/References	Evaluation Methods	Evaluation Time
Program leadership.	Staff members.	Surveys.	End of the academic year.
Learning resources.	Students.	Surveys.	Beginning of semesters.
Students' education services.	Staff members and students.	Surveys.	Beginning of semesters.
Effectiveness of teaching and assessment.	Students and independent reviewers.	Surveys and interview.	End of the academic year.

Evaluation Areas/Aspects (e.g., leadership, effectiveness of teaching and assessment, learning resources, services, partnerships, etc.).
Evaluation Sources (students, graduates, alumni, faculty, program leaders, administrative staff, employers, independent reviewers, and others.
Evaluation Methods (e.g., Surveys, interviews, visits, etc.).
Evaluation Time (e.g., beginning of semesters, end of the academic year, etc.).

6. Program KPIs*

The period to achieve the target (1) year.

No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
1	KPI-P-01	Students' Evaluation of quality of learning experience in the program.	4.3	**(Surveys)** Average of the overall rating of final year students of the quality of learning experience in the program, satisfaction with the various services offered by the program (restaurants, transport, sports facilities, academic, vocational, psychological guidance...), student satisfaction with the adequacy and diversity of learning sources (references, periodicals, information databases... etc.) on a 5-point scale in an annual survey.	Annually
2	KPI-P-02	Students' evaluation of the quality of the courses.	4.4	**(Surveys)** Average of students overall rating for the quality of courses on a five-point scale in an annual survey	Annually
3	KPI-P-03	Completion rate.	100%	**(Statistical Data)** Proportion of undergraduate students who completed the program in minimum time in each cohort	Annually
4	KPI-P-04	First-year student retention rate.	95%	**(Statistical Data)** Percentage of first-year undergraduate students who continue at the program the next year to the total number of first-year students in the same year	Annually
5	KPI-P-05	Students' performance in the professional and or national examination.	95%	**(Statistical Data)** Percentage of students or graduates who were successful in the professional and / or national examinations, or their score average and median (if any)	Annually
6	KPI-P-06	Graduates' (a) employability and (b) enrolment in postgraduate programs.	(a) 80 % (b) 4%	**(Statistical Data)** Percentage of graduates from the program who within a year of graduation were: a. employed b. enrolled in postgraduate programs during the first year of their graduation to the total number of graduates in the same year	Annually
7	KPI-P-07	Employers' evaluation of the program graduate's proficiency.	4.5	**(Surveys)** Average of overall rating of employers for the proficiency of the program graduates on a five-point scale in an annual survey	Annually
8	KPI-P-08	Ratio of students to teaching staff.	16:1	**(Statistical Data)** Ratio of the total number of students to the total number of full-time and full-time equivalent teaching staff in the program	Annually
9	KPI-P-09	Percentage of publications of faculty members.	95%	**(Statistical Data)** Percentage of full-time faculty members who published at least one research during the year to total faculty members in the program	Annually

No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
10	KPI-P-10	Rate of published research per faculty member.	6:1	**(Statistical Data)** The average number of refereed and/or published research per each faculty member during the year (total number of refereed and/or published research to the total number of full-time or equivalent faculty members during the year)	Annually
11	KPI-P-11	Citations rate in refereed journals per faculty member.	12:1	**(Statistical Data)** The average number of citations in refereed journals from published research per faculty member in the program (total number of citations in refereed journals from published research for full-time or equivalent faculty members to the total research published)	Annually
12	KPI-P-12	Percentage of achieved target level of KPI of program operational plan.	100%	**Statistical Data)** Percentage of performance indicators of the operational plan objectives of the program that achieved the targeted annual level to the total number of indicators targeted for these objectives in the same year	Annually
13	KPI-P-13	Percentage of teaching staff distribution.	Prof. 15% Associate Prof. 20% Assistant Prof. 40% Others 25%	**(Statistical Data)** **Percentage** of teaching staff distribution based on- a. **Gender** b. **Academic Ranking**	Annually
14	KPI-P-14	Proportion of teaching staff leaving the program	0%	**(Statistical Data)** Proportion of teaching staff leaving the program annually for reasons other than age retirement to the total number of teaching staff.	End of the academic year

*including KPIs required by NCAAA

H. Specification Approval Data:

Council / Committee	**DEPARTMENT COUNCIL**
Reference No.	**11TH**
Date	**24TH MAY 2022**

قسم الأشعة
Radiology Department
TU جامعة الطائف TAIF UNIVERSITY