**Ministry of Higher Education and Scientific Research**

**Scientific Supervision and Evaluation Authority**

**Quality Assurance and Academic Accreditation Department**

# Academic Programs Description
# Hilla University
# Faculty of Health and Medical Technologies
# Department of Radiology Techniques

2025

**University Name: Hilla University**

**Faculty/Institute: Faculty of Health and Medical Technologies**

**Scientific Department: Department of Radiological Techniques**

**Academic or Professional Program Name: Bachelor of Radiology Techniques**

**Final Certificate Name: Bachelor of Radiology Techniques**

**Academic System: Semester**

**Date of preparation of the description:**

**File filling date:**

**Signature**

**Head of Department Name**

**Date**

**Signature**

**Scientific Associate Name**

**Date**

**The file was checked by the Division of Quality Assurance and University Performance**

**Name of the Head of the Quality Assurance and University Performance Division**

**Date**

**Signature**

**Approval of the Dean**

## 1. Vision

The Department of Radiology Techniques at Hilla University College seeks to achieve excellence in the field of radiology techniques through the application of quality standards in an atmosphere characterized by independence and stimulating ambition and creativity to contribute to the preparation of graduates with knowledge and have a positive role in the process of development and comprehensive construction towards change

## 2. Program Mission

The Department of Radiology Techniques at Hilla University College is moving towards graduating technical staff capable of working in the field of radiology with a solid scientific level and extensive scientific experience, in addition to teaching students how to use radiology devices.

## 3. Program Objectives

The academic program aims to introduce students to how to use x-ray and sonar devices.
Learn about the use of modern technologies in diagnostic radiography, ultrasound, magnetic resonance, nuclear medicine, computed tomography, and radiotherapy
Educating students and introducing them to the dangers of radiation exposure and how to protect workers and patients from these risks.
Providing a suitable academic environment for study that conducts radiology and sonar examinations

## 4. Program Accreditation

The program does not have any accreditation

## 5. External influences

There is no sponsor for the program

## 6. Program Structure

| Reviews* | Percentage | Credit Hours | Number of cycles | Program Structure |
|---|---|---|---|---|
| Essential | 37% | 60 | 20 | Requirements of the institution |
| Essential | 16% | 17 | 9 | College Requirements |
| Essential | 46% | 170 | 25 | Department Requirements |
| | | | Second and third | Summer Training |
| | | | | Other |

| Study Plan for the Department of Radiology | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Grades** | **Course or Course Code** | **Course Name** | .Crites hr | | | | Unites |
| | | | Theoretical | teaching method | Practical | teaching method | |
| First stage Semester 1 | HXRT**21101** | Skeletal Anatomy | **2** | Lectures | **3** | App | **3** |
| | HXRT**21102** | General Physics | **2** | Lectures | **3** | | **3** |
| | HXRT**21103** | General Physiology | **2** | Lectures | **3** | App | **3** |
| | HXRT**21104** | Biology | **2** | Lectures | **3** | App | **3** |
| | HXRT**21105** | General Chemistry | **2** | Lectures | **3** | | **3** |
| | HXRT**21106** | Computer Principles 1 | **1** | Lectures | **2** | App | **2** |
| | HXRT**21107** | Human Rights and Democracy | **2** | Promoting Human Values | **-** | | **2** |
| | HXRT**21108** | English Language | **2** | Lectures | **-** | | **2** |
| | | | | | | | |
| Phase One Semester 2 | HXRT**21209** | Anatomy of Body Systems | **2** | Lectures | **3** | App | **3** |
| | HXRT**21210** | Atomic physics | **2** | Lectures | **3** | App | **3** |
| | HXRT**21211** | Functional Physiology | **2** | Lectures | **3** | App | **3** |
| | HXRT**21212** | Radiobiology | **2** | Lectures | **4** | App | **4** |
| | HXRT**21213** | Fundamentals of Nursing | **2** | Lectures | **4** | App | **4** |
| | HXRT**21206** | Computer Principles 2 | **1** | Classes | **2** | App | **2** |
| | HXRT**21214** | Medical Terminology | **2** | Lectures | **-** | | **2** |
| | HXRT**21215** | Arabic language | **2** | Reinforcing Core Values | **-** | | **2** |
| | | | | | | | |
| Second Stage Semester 1 | HXRT**22116** | Radiological Techniques | **2** | Lectures | **5** | App | **4** |
| | HXRT**22117** | Traditional | **2** | Lectures | **5** | App | **4** |
| | HXRT**22118** | Upper extremity radiography techniques | **2** | Lectures | **5** | App | **4** |
| | HXRT**22119** | Special radiological examinations of the gastrointestinal system and bones | **2** | Lectures | **4** | App | **4** |
| | HXRT**22120** | **Fundamentals of Radiophysics** | **2** | Lectures | **3** | App | **3** |
| | HXRT**22121** | **Basics of radiation protection** | **2** | Lectures | **3** | App | **3** |
| | HXRT**22122** | **Crimes of the Baath regime in Iraq** | **2** | Reinforcing Core Values | **-** | | **2** |
| Second Stage Semester 2 | HXRT**32223** | **Computed tomography Equipment Techniques** | **2** | Lectures | **5** | App | **4** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | HXRT**32224** | **Radiographic techniques for lower limbs** | **2** | Lectures | **5** | App | **4** |
| | HXRT**32225** | **Special radiological procedures of biliary and reproductive system** | **2** | Lectures | **5** | App | **4** |
| | HXRT**22226** | **Radiological anatomy of lower limbs** | **2** | Lectures | **4** | App | **4** |
| | HXRT**22227** | **Physics of computed tomography** | **2** | Lectures | **3** | App | **3** |
| | HXRT**22215** | **Arabic Language** | **2** | Reinforcing Core Values | **-** | | **2** |
| | | | | | | | |
| Third Stage Semester 1 | HXRT**23128** | **Equipment techniques of magnetic resonance imaging** | **2** | Lectures | **4** | App | **4** |
| | HXRT**23129** | **Radiographic techniques for head and spinal cord** | **2** | Lectures | **4** | App | **4** |
| | HXRT**23130** | **Special radiological procedures of the head, breast and respiratory system** | **2** | Lectures | **4** | App | **4** |
| | HXRT**23131** | **Radiological anatomy of brain and spinal column** | **2** | Lectures | **2** | App | **3** |
| | HXRT**23132** | **General Pathology** | **2** | Lectures | **2** | App | **3** |
| | HXRT23133 | **Physics of Magnetic Resonance** | **1** | Lectures | **3** | App | **2** |
| | HXRT**23134** | **Biological Radiation hazards** | **2** | Lectures | **3** | App | **3** |
| | HXRT**23135** | **Computer applications1** | **1** | Lectures | **2** | App | **2** |
| Third Stage Semester 2 | HXRT**23236** | **Ultrasound Equipment Techniques** | **2** | Lectures | **4** | App | **4** |
| | HXRT**23237** | **Radiographic techniques of thorax and abdomen** | **2** | Lectures | **4** | App | **4** |
| | HXRT**23238** | **Special radiological procedures of the cardiovascular and central nervous** | **2** | Lectures | **4** | App | **4** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | system | | | | | |
| | HXRT**23239** | **Radiological anatomy of thorax and abdomen** | **2** | Lectures | **2** | App | **3** |
| | HXRT**23240** | **Systemic Pathology** | **2** | Lectures | **2** | App | **3** |
| | HXRT**33241** | **Physics of Ultrasound** | **1** | Lectures | **3** | App | **2** |
| | HXRT**23235** | **Computer applications2** | **1** | Lectures | **2** | App | **2** |
| fourth Stage Semester 1 | | | | | | App | |
| | HXRT**24142** | **Computed tomography imaging of head and spinal cord** | **2** | Lectures | **5** | App | **4** |
| | HXRT**24143** | **Magnetic resonance imaging principles and head exam** | **2** | Lectures | **5** | App | **4** |
| | HXRT**24144** | **Abdominal Ultrasound imaging** | **2** | Lectures | **5** | App | **4** |
| | HXRT**24145** | **Medicine of internal diseases** | **2** | Lectures | **3** | App | **3** |
| | HXRT**24146** | **Biostatistics and computer applications** | **2** | Lectures | **4** | App | **4** |
| | | | | | | | |
| Fourth Stage Semester 2 | HXRT**24247** | **Computed tomography imaging of chest, abdomen and pelvis** | **2** | Lectures | **5** | App | **4** |
| | HXRT**24248** | **Magnetic resonance imaging of musculoskeletal system, abdomen and pelvis** | **2** | Lectures | **5** | App | **4** |
| | HXRT**24249** | **Obstetrics and gynecologic ultrasound imaging** | **2** | Lectures | **5** | | **4** |
| | HXRT**24250** | **Medicine of surgical diseases** | **2** | Lectures | **3** | | **3** |
| | HXRT**24251** | **Professional ethics** | **2** | Lectures | **-** | App | **2** |
| | HXRT**24252** | **Graduation project** | **-** | Lectures | **6** | | **4** |
| | | | | | | | **199** |

## 1. Expected learning outcomes of the program

**Knowledge**

| Methods of assessing knowledge and understanding | Learning Outcomes |
|---|---|
| 1- Weekly reports of practical experiments<br>2- Periodic tests of theoretical subjects<br>3- Theoretical and practical semester exams<br>4- Theoretical and practical final exams | أ- **Knowledge and understanding: -**<br>**1- Teaching the student subjects related to radiology specialization**<br>**2- Preparation and work of various methods used in radiology**<br>**3- Training the student on how to obtain samples from reviewers for laboratory use**<br>**1- 4- Interpret the results obtained from the analysis and the extent to which they match the diagnosis of the condition** |

**Skills**

| Methods of assessing thinking skills | Learning Outcomes |
|---|---|
| 1- Use logic to evaluate the answer<br>2- Identify errors to evaluate the answer<br>3- Evaluate the effectiveness of the methods adopted to solve the problem<br>4- Supporting opinions with evidence | ب- Thinking skills : -<br>• Realizing the importance of subjects for the stages during the four years<br>• Introducing students to how to use radiology and sonar devices - ...<br>• He works in the field of radiology techniques and their various applications. and implemented through curricula.<br>• Learn about the use of modern technologies in diagnostic radiography, ultrasound, magnetic resonance, nuclear demand, CT radiography, and radiotherapy<br>• Educating students and introducing them to the dangers of radiation exposure and how to protect workers and patients from these risks.<br>• He performs radiology and sonar examinations. |
| Statement of Learning Outcomes<br>Methods of assessing practical skills: -<br>Practical skills are assessed through individual differences between students and the methods specific to each practical subject. | ت- **Professional and practical skills: -**<br>• Qualifies students to work as medical technologists in the field of radiology techniques<br>• Diagnostic in radiology and medical imaging departments in hospitals and health centers. The student must master the theoretical scientific material |

**Values**

| Statement of Learning Outcomes | Learning Outcomes |
|---|---|

| | |
|---|---|
| 1- Student participation in community events outside the college campus<br>2- Visits community institutions and reviews the conditions of those in them<br>3- Good selection of titles of research projects, novelty and innovation in the method of presenting them<br>4- Research projects successfully exceed scientific plagiarism tests | **1- The student should master the basics of civil society**<br>**2- The student should be an active member of the community**<br>**3- The student should understand the formulation of research projects**<br>**4- The student should know the ethics of research writing and scientific honesty** |

2. Teaching and Learning Strategies

- Lecture
- Dialogue and discussion
- Cooperative learning (division into groups)
- Brainstorming
- Reciprocal teaching
- Publishing lectures on the college or department website and for all teachers and all subjects
- Use of display and audio equipment
- Writing research and reports in English
- Speaking in English in class and when participating
- Conducting research and experiments to achieve the goals of sustainable development

**3. Evaluation methods**

- The direct way to ask and answer it in the lecture
- Expected and unannounced daily exams
- Evaluating research and evaluating its writing in terms of style, expression and spelling
- Ask questions to measure listening and attention in English
- Participation of students in evaluating the performance of their fellow students
- Practical assessment exams for listening, speaking and reading
- Monthly and Quarterly Exams
- Theoretical final exams

Professional Development

Mentoring new faculty members

- Work on diversifying classroom management methods and giving lectures
- The new faculty is exposed to the visit of the head of the department and the old teachers during the lectures
- Conducting personal interviews to know the teaching competence and skill in teaching
- Publishing research in international journals with an impact factor, writing literature, and participating in workshops and conferences

Professional development of faculty members

● The academic program is reviewed periodically in order to identify and fix its gaps.
● Annual evaluation of each unit from the head of the department or the rapporteur of the department.
● Periodic faculty reviews of the academic program.
● Establishing an external advisory body for the department that includes representatives of the student and the beneficiaries of this course.
● Periodic evaluation by the head of the department for faculty members.
● Students evaluate the faculty member by electronic referendum.
● Self-evaluation of the faculty member.
● Student evaluation of a stage of study by electronic poll method.
● Coordination with the Quality Division in the college and the university to follow up the application of the academic program in the department.

7. Personal Development Planning

1. Identify the social determinants of health to reduce disparities in access to quality care.
2. Self-awareness (self-awareness) 0 Examine and reflect on personal knowledge, skills, abilities, beliefs, prejudices, motivations, and emotions that can enhance or limit personal and professional growth.
3. Professionalism 0 Demonstrate behaviors and values consistent with the trust that patients, other healthcare providers, and the community place in the profession.
4. Learner(s) 0 Develop, integrate, and apply knowledge from foundational sciences (e.g. dentistry and social/behavioral/managerial and clinical sciences) to
5. Evaluate the scientific literature, explain pharmacological action, solve therapeutic problems, and advance the population. Healthcare and patient-centered.
6. **Design prevention, intervention and education strategies for individuals and communities to manage chronic diseases and improve health.**
7. Educate all audiences by identifying the most effective and sustainable methods of conveying information and assessing understanding.

| 8. Acceptance Criteria |
|---|
| 1. The general average of central admission, which is within the applicable limits and according to the directives of the Ministry of Higher Education and Scientific Research.<br>2. Personal interview with students applying for admission and recording speech, behavioral or personality defects. |

| 4. **The most important sources of information about the program** |
|---|
| The Quality Division in the college through the Quality Division at the university, which adheres to the quality conditions and upgrading the scientific, knowledge, skill and scientific research level according to the data of the Ministry of Higher Education and Scientific Research, which seeks with international quality conditions to raise the efficiency of the academy in line with the efficiency of the academy. |

| 5. Program Development Plan |
|---|
| ● Work to motivate students to use medical books<br>● Work on developing conversation, translation and reading skills by taking advantage of websites and means<br>Other contemporary.<br>● Work to encourage students to know the most important books of medicine |

| Curriculum Skills Outline | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| مخرجات التعلم المطلوبة من البرنامج | | | | | | | | | | | | | | | | | | |
| General and qualifying skills transferred (other skillsrelated to employability and personal development) | | | | Emotional and value goals | | | | Program Skills Objectives | | | | Cognitive goals | | | | Basic or optional | Course Name | Course Code | Year/ Level |
| د4 | د3 | د2 | د1 | ج4 | ج3 | ج2 | ج1 | ب4 | ب3 | ب2 | ب1 | أ4 | أ3 | أ2 | أ1 | | | | |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | √ | | Anatomy of skeleton | HXRT21101 | First stage Semester 1 |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | √ | | General physics | HXRT21102 | |
| √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | | √ | □ | | General physiology | HXRT21103 | |
| □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | □ | √ | | | √ | √ | | Biology | HXRT21104 | |
| □ | □ | □ | √ | □ | □ | √ | √ | □ | □ | □ | √ | | | √ | √ | | General chemistry | HXRT21105 | |
| √ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Computer principles1 | HXRT21106 | |
| | | | | □ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Human rights and democracy | HXRT21107 | |
| □ | □ | □ | □ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | English language | HXRT21108 | |
| | | | | √ | √ | √ | √ | □ | √ | √ | √ | □ | □ | √ | √ | | Anatomy of body systems | HXRT21209 | Phase One Semester 2 |
| □ | √ | □ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | √ | | Physics of atom | 21210HXRT | |
| □ | □ | □ | □ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | | Systemic physiology | 21211HXRT | |
| √ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Radiobiology | 21212HXRT | |
| □ | □ | □ | □ | □ | □ | √ | √ | □ | □ | √ | √ | □ | √ | □ | √ | | Principles of Nursing | 21213HXRT | |
| □ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Computer principles2 | 21206HXRT | |
| □ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Medical Terminology | 42121HXRT | |
| □ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Arabic Language | 52121HXRT | |
| | | | | | | | | | | | | | | | | | | | |
| □ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | □ | □ | □ | | Conventional | HXRT22116 | |

| | | | | | | | | | | | | | | | | | Radiological Equipment techniques | | Second Stage Semester 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| □ | √ | √ | √ | √ | √ | √ | √ | □ | √ | √ | √ | √ | √ | √ | □ | | Radiographic techniques for upper limbs | HXRT22117 | |
| □ | □ | □ | □ | □ | □ | √ | √ | □ | √ | √ | √ | □ | □ | √ | √ | | Special radiological procedures of gastrointestinal tract and bones | HXRT22118 | |
| □ | □ | □ | □ | □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Radiological anatomy of head and upper limbs | HXRT22119 | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | □ | □ | □ | √ | | Fundamentals of Radio-physics | HXRT22120 | |
| □ | □ | □ | □ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | | Fundamentals of radiation protection | HXRT22121 | |
| □ | □ | √ | √ | □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Crimes of the Baath regime in Iraq | HXRT22122 | |
| □ | □ | √ | √ | □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | | Computed tomography Equipment Techniques | HXRT32223 | Second Stage Semester 2 |
| □ | □ | □ | √ | □ | □ | √ | √ | □ | √ | √ | √ | □ | □ | √ | √ | | Radiographic techniques for lower limbs | HXRT32224 | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | | Special radiological procedures of biliary and reproductive system | HXRT32225 | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | □ | | Radiological | HXRT22226 | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | anatomy of lower limbs | | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Physics of computed tomography | HXRT22227 | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Arabic Language | HXRT22215 | |
| | | | | | | | | | | | | | | | | | | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Equipment techniques of magnetic resonance imaging | 23128HXRT | Third Stage Semester 1 |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Radiographic techniques for head and spinal cord | 23129HXRT | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Special radiological procedures of the head, breast and respiratory system | 23130HXRT | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Radiological anatomy of brain and spinal column | 23131HXRT | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | General Pathology | 23132HXRT | |
| √ | √ | √ | √ | □ | □ | √ | √ | □ | □ | √ | √ | □ | □ | √ | □ | Physics of Magnetic Resonance | 3331HXRT2 | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | Biological Radiation hazards | HXRT23134 | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | Computer applications1 | HXRT23135 | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | Ultrasound Equipment Techniques | HXRT23236 | Third Stage Semester |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | Radiographic techniques of thorax and abdomen | HXRT**23237** | 2 |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | Special radiological procedures of the cardiovascular and central nervous system | HXRT**23238** | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | Radiological anatomy of thorax and abdomen | HXRT**23239** | |
| □ | □ | √ | √ | □ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | | Systemic Pathology | HXRT**23240** | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Physics of Ultrasound | HXRT**33241** | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Computer applications2 | HXRT**23235** | |
| | | | | | | | | | | | | | | | | | | | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Computed tomography imaging of head and spinal cord | HXRT**24142** | fourth Stage Semester 1 |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Magnetic resonance imaging principles and head exam | HXRT**24143** | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Abdominal Ultrasound imaging | HXRT**24144** | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Medicine of internal diseases | HXRT**24145** | |
| □ | √ | √ | √ | □ | □ | √ | √ | √ | √ | √ | □ | □ | √ | √ | √ | | Biostatistics and computer applications | HXRT**24146** | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Computed tomography imaging of chest, abdomen and pelvis** | HXRT**24247** | Fourth Stage Semester 2 |
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Magnetic resonance imaging of musculoskeletal system, abdomen and pelvis** | HXRT**24248** | |
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Obstetrics and gynecologic ultrasound imaging** | HXRT**24249** | |
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Medicine of surgical diseases** | HXRT**24250** | |
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Professional ethics** | HXRT**24251** | |
| ☐ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | √ | √ | ☐ | ☐ | √ | √ | √ | | **Graduation project** | HXRT**24252** | |