

Level one

Code	No	Title	Unit
Chm	11.1	General Chemistry	3(2+2)
Zoo	11.1	General Biology	3(2+2)
Com	11.1	Introduction to Computer	1(1+1)
Ter	11.1	Medical Terminology	1
Islam	11.1	Islamic Culture	1
Eng	11.2	English Language	3
Total			12

Level two

Code	No	Title	Unit
Rad	11.1	Radiographic Anatomy	2
Rad	11.2	Radiographic Physiology	2
Rad	11.3	X – Ray Physics	4(2+2)
Rad	11.4	Image Recording Techniques	4(2+2)
Total			12

Level three

Code	No	Title	Unit
Rad	12.2	Radiographic Equipment and Safety	4(2+2)
Rad	12.3	Patient Care in Radiology Dept	2
Rad	12.1	Radiographic Technique (1)	4(2+2)
Rad	12.4	Radiographic Technique (2)	4(2+2)
Total			14

Level four

Code	No	Title	Unit
Rad	13.1	Radiographic Technique (3)	4(2+2)
Rad	13.2	Radiographic Technique (4)	4(2+2)
Rad	13.4	Mobile Radiography	4(2+2)
Rad	13.3	Accidents and Emergency Radiography	4(2+2)
Total			16

Level five

Code	No	Title	Unit
Rad	14.1	Radiographic Image Interpretation	4(2+2)
Rad	14.2	Practicum	8(12+0)
Total			12

Curriculum Description

Course Name: General Chemistry No: ١١٠١ Code: chm
Credit Hours: ٣ (٢ Theoretical + ١ practical) Level: ١

The course provide basics of organic chemistry including hydrocarbons, alcohols, aldehydes, ketenes, carboxylic acids, amines and other related compounds, as well as benzene and its derivatives . The course also, covers basics of inorganic chemistry including acids, alkalines, and various salts related to clinical analysis.

Course Name: Principles of Computer No: ١١٠١ Code: Com
Credit Hours: ١ (Theoretical + ١ practical) Level: ١

The course covers basic definitions, functional graphical drawing of modern PC. Choosing work terns, introduction disk operating system, using word processes, using graphic software and using tabulated spreadsheets. Applications such as Arabic Windows operation (Windows ٩٥ or higher) work processes methods (Microsoft Word ٧ or higher), electronic tables methods (Microsoft Excel ٥ or higher) and the statistic package of software systems (SPSS).

Course Name: English Language No: ١١٠١ Code: Eng
Credit Hours: ٣ (Theoretical) Level: ١

This course aims to train students on basic English language skills including reading, writing, listening and speaking. The course addresses linguistic structures and main functions of the language.

Course Name: Islamic Culture No: ١١٠١ Code: Islam
Credit Hours: ١ (Theoretical) Level: ١

Study of Islam's Characteristics, its general principles, its universality, comprehensiveness and its consistence with the proper human instincts and sound mind.

Credit Hours: ٤ (٣ theoretical + ١ Practical)

Level: ٣

The student is introduced to basic radiology imaging for motor system. This course concentrates on upper and lower extremities and their anatomy as well various imaging views to demonstrate each part separately.

Course Name: Radiographic Equipment and Safety No: ١٢٠٢ Code: RAD

Credit Hours: ٤ (theoretical + ١ Practical)

Level: ٣

Various radiology equipment including X-Ray units are introduced with description of their components as well electronic and electric used. The course aims to provide knowledge and applications of protection techniques and methods of minimizing radiology risks.

Course Name: Patient care in Radiology Department No: ١٢٠٣ Code: RAD

Credit Hours: ٣ (Theory)

Level: ٣

The student is introduced the basic care of patient in radiology department and how to communicate with special case.

Course Name: Radiographic Technique (٣) No: ١٢٠٤ Code: RAD

Credit Hours: ٤ (theoretical + ١ Practical) Level: ٣

The student is introduced to radiology imaging techniques for the rest skeletal system comprised of skull, rib cage and spine. The student learns methods of producing clear detailed images of small parts through proper positioning techniques.

Course Name: Radiographic Technique (٣) No: ١٣٠١ Code: RAD

Credit Hours: ٤ (٣ theoretical + Practical)

Level: ٤

The student learns various types of contrast media, methods of using them, their potential side effect and ways to control them. The student also is introduced to radiology imaging equipment for cardiovascular system, urinary tract and bile ducts together with gall bladder.

Course Name: Radiographic Technique (٤) No: ١٣٠٢ Code: RAD

Credit Hours: ٤ (٣ theoretical + Practical)

Level: ٤

This course aims to familiarize the student with the important radiological investigation conducted by using image equipment and to help the radiologist conduct his work effectively and safely.

Course Name: Accident and Emergency No: ١٣٠٣ Code: RAD

Credit Hours: ٤ (٣ theoretical + Practical)

Level: ٤

The course aims to familiarize the student with E.R.departements and how to conduct radiology image in E.R. setting with particular emphasis of the important of time limitations in order to help save lives and provide prompt treatment. The student is also provided with information on types of fractures and other cases that could be encountered in real practice.

Course Name: Mobile Radiology No: ١٣٠٤ Code: RAD

Credit Hours: ٤ (٢ theoretical + Practical) Level: ٤

The student is introduced by various mobile and portable radiology equipment as well as imaging techniques at an- patient wards, Intensive Care Unit and Operating Room. He is also introduced to some other equipment used in these settings such as respirators, daring devices and various tubing. The student is also provided with relevant information on various sterilization and disinfection methods as well as basic C.T. scanning methods.

Course Name: Radiographic Image interpretation No: ١٤٠١ Code: RAD

Credit Hours: ٤ (٢ theoretical + Practical) Level: ٥

The student is provided with relevant knowledge and skills on interpreting radiology images to obtain related anatomical and pathological information. The is also provided with basic knowledge and skills needed to identify normal finding and pathological change through image films as well as how to judge the technical quality and adequacy of the image.

Course Name: Practicum No: ١٤٠٢ Code: RAD

Credit Hours: ٨ (١٧ Practical) Level: ٥

The student is given full opportunity to practice his acquired academic knowledge at recognized hospital under the supervision of educational and technical staff at such hospital.