

جامعة البلقاء التطبيقية

وحدة التقييم والامتحانات العامة
الدائرة الفنية وتكنولوجيا المعلومات
امتحان الشهادة الجامعية المتوسطة



الكفايات العملية لتخصص: تكنولوجيا الأشعة

Subject	Skills and Practical	Theoretical
Patient Care in Radiology Dept.	<p>The student should be able to deal with patients, and have the skills that control infections with good knowledge at principle of sterilization.</p> <p>And he should know the concerns to deal with trauma and pediatric patients.</p> <p>He also should practice in preparing patient and instruments for all radiology special procedures.</p>	<p>The student should learn the aspects of taking care for patients in radiology department, and learn all related procedures that need special preparations to be done.</p>
Radiology Equipment *	<p>The student should be able to innominate the imaging devices parts, meters, locks and types. He also should get skills to operate these devices and get the precautions to use these imaging devices.</p>	<p>The student should learn about the components of imaging devices, type of electrical power that supply these devices, the conditions and the procedures to operate each type.</p>



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Radiobiology and Radiation Protection **	The Student should have good knowledge to control radiation hazard, and make all the precautions when imaging the patient. Also practice on the methods that reduce patient dose, how to use the golden rules and types of protections.	The student should get the theoretical knowledge of the interaction of radiation, the units used for evaluation radiation dose. Also he should learn about the types of ionizing radiation and there effects. And the principles of radiation protection.
Quality Assurance & Quality Control ***	The student should recognize the tools that used to make QC procedures and how it performed. Also he should practice how to empties the QC results in the specific forms. The student should realize when QC procedures should perform.	The student should learn about the concepts of QA & QC and the terms used for that. He also should learn how to use QC forms for various procedures and there instruments.
Physics of Advance Imaging Modalities (1) *	The student should have the skills to deal with “Ultrasound, Nuclear Medicine & DVI”. He should know all the parts of these devices and the physical principles to operate the devices	The Student should learn the basic physics of “Ultrasound, Nuclear Medicine & DVI”. Also learn the major configurations of these systems and the safety measurements



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Physics of Advance Imaging Modalities (2) *	The student should have the skills to deal with “CT scan & MRI”. He should know all the parts of these devices and the physical principles to operate the devices	The Student should learn the basic physics of “CT &MRI ”. Also learn the major configurations of these systems and the safety measurements
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*Needs an imaging device according to the subjects of term, All these devices are available in hospitals.

**Needs special devices for measuring radiation dose for personal and environment, like Geiger Miller, personal monitor.

***Needs special devices to measures the Quality of imaging modalities, like kVp meter, mAs& time meter, Dosimeter, HVL, Beam alignment, Sensitometer, densitometer and other devices.

Note: Field Training (1,2,3) Always is a free practice for the subjects listed in the same term.

