



# University of Pretoria Yearbook 2021

## Diagnostic radiography 300 (DIR 300)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Health Sciences</a>
<b>Module credits</b>	20.00
<b>NQF Level</b>	07
<b>Programmes</b>	<a href="#">BRad in Diagnostics</a>
<b>Prerequisites</b>	DIR 200, RSC 200, RPH 300
<b>Contact time</b>	1 discussion class per week, 1 lecture per week, 1 seminar per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Radiography
<b>Period of presentation</b>	Year

### Module content

Venous needle placement.

**Cardiovascular system:** Selective angiography. Intervention techniques (vascular and non-vascular). Venography. Seldinger technique, contrast media, medication, catheters, guide wires and accessories. Quality assurance and quality control. Patient care. Medico-legal aspects. Pattern recognition.

**Mammography:** Introduction. Principles of soft tissue radiography. Communication and health promotion. Medico-legal aspects. Management of breast disease, patient care, radiation safety and technique factors. Processing requirements. Positioning principles and special procedures. Systematic evaluation of the images. Pattern recognition.

**Hystero-salpingography:** Booking procedures, patient-radiographer relationship, procedural considerations and evaluation criteria. Pattern recognition.

**Bone densitometry:** Principles, bone biology and remodelling, osteoporosis, core competencies for radiographers, physical principles of dual X-ray absorptiometry and other bone densitometry techniques.

**Ultrasonography:** General principles in obstetrics and gynaecology, abdomen and pelvis, musculo-skeletal system.

**Computer Tomography:** Protocols for different examinations. Patient care. Image interpretation.

Magnetic resonance imaging: Protocol for the different examinations. Patient care. Myelography.

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