

# University of Pretoria Yearbook 2021

## Diagnostic radiography 100 (DIR 100)

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|-------------------------------|----------------------------------------------------|
| <b>Qualification</b>          | Undergraduate                                      |
| <b>Faculty</b>                | <a href="#">Faculty of Health Sciences</a>         |
| <b>Module credits</b>         | 15.00                                              |
| <b>NQF Level</b>              | 05                                                 |
| <b>Programmes</b>             | <a href="#">BRad in Diagnostics</a>                |
| <b>Prerequisites</b>          | No prerequisites.                                  |
| <b>Contact time</b>           | 2 discussion classes per week, 2 lectures per week |
| <b>Language of tuition</b>    | Module is presented in English                     |
| <b>Department</b>             | Radiography                                        |
| <b>Period of presentation</b> | Year                                               |

### Module content

Introduction to radiography.

Fundamental ethical principles; consent and history taking in radiography. Professional roles, responsibilities and codes of conduct. Introduction to communication: interpersonal and scientific. Team work. Reflective processes. Introduction to legislation and the professional bodies related to Radiography practice (national and international).

Care of the patient. Principles of infection control. Pathological conditions. Overview of imaging modalities and procedures. Radiation personnel monitoring – requirements, methods of monitoring, record keeping, responsibility of radiation protection officers. Practical radiation protection- facility design; safety accessory equipment; safety devices.

- Respecting the human rights of vulnerable patient groups.
- Basic patient positioning and immobilisation for radiographic examinations. Radiographic examinations: thorax, abdomen, extremities, hip, pelvis, spine and skull. Theoretical and practical instruction is used to integrate basic Science and clinical radiography. Procedural considerations and positioning techniques. Selection of technique factors. Radiation protection. Pathological conditions and image evaluation. Problem-solving. Execution of radiographic examinations and procedures. Trauma.

Introduction to research in health care science – research process.

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