

University of Pretoria Yearbook 2022

Pathological conditions and infectious diseases 281 (BOK 281)

Qualification	Undergraduate
Faculty	Faculty of Health Sciences
Module credits	45.00
NQF Level	06
Prerequisites	CMY 151, GNK 120, GNK 127, MLB 111, P HY 131, GNK 128, BOK 121, MGW 112, FIL 155, MTL 180, SMO 121, AIM 101, ELH 111, ELH 112
Contact time	12 lectures per week
Language of tuition	Module is presented in English
Department	Anatomical Pathology
Period of presentation	Semester 2

Module content

a) General pathology and immunology (4 weeks)

Cell damage; growth and repair; infection; disturbances in circulation; HLA system; immune response; hypersensitivity; auto-immunity and transplant immunology. Anatomy of the lymphatic system.

(b) Principles of malignancies (1 week)

Oncogenesis; terminology and biological behaviour of tumours; principles of therapy.

(c) Principles of infectious diseases (3 weeks)

This module deals with the basic principles and systematic classification and clinical picture of bacteria, viral parasitic and fungal infections of importance to man. The pharmacological aspects of antibacterial and antiviral chemotherapy will also be dealt with. A short introduction to epidemiology will also be presented. The practical aspects of the microbiology which includes virology, will be demonstrated in the practical sessions.

(d) Infectious diseases (2 weeks)

This comprehensive module covers all aspects of the most prominent infectious diseases in man, such as tuberculosis, immuno-deficiency syndrome, malaria, gastro-enteritis, haemorrhagic fever, typhoid, bilharzia and sexually transmitted diseases. The module is problem-orientated, multidisciplinary and presented in the form of case studies and group discussions. The module also deals with certain important topics such as surgical infections, nosocomial infections, opportunistic infections, trauma and associated infection. The microbiology of special environments will also be discussed.

The regulations and rules for the degrees published here are subject to change and may be amended after the publication of this information.

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations.