

# University of Pretoria Yearbook 2020

## Pathological conditions and infectious diseases 281 (BOK 281)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Health Sciences</a>
<b>Module credits</b>	45.00
<b>Prerequisites</b>	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
<b>Contact time</b>	12 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Anatomical Pathology
<b>Period of presentation</b>	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.

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