

University of Pretoria Yearbook 2020

Aerospace medicine 700 (LRG 700)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	75.00
Programmes	BScHons Aerospace Medicine
Prerequisites	No prerequisites.
Contact time	8 hours for 5 days
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

The purpose of this module is to teach the fundamentals of aerospace medicine. Topics addressed in this module include:

Aviation Physiology (The Aviation working environment, cognition, decision making, communication, sleep and fatigue, physics of the atmosphere, hypobarism, hypoxia, vision, spatial disorientation, acceleration, radiation, noise, vibration hyper/hypothermia.)

Clinical Aviation Medicine (Incapacitation during flight, aging, cardiology, neurology, ophthalmology, ENT, pulmonology, psychiatry, metabolic/endocrine, malignancy, digestive system, haematology, urinary, renal, gynaecological/obstetric, musculoskeletal, infective, medication.)

Aviation medical regulations (Regulations of the International Civil Aviation Organisation and the South African Civil Aviation Authority.)

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