

University of Pretoria Yearbook 2016

Aerospace medicine 700 (LRG 700)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	105.00
Programmes	BScHons Aerospace Medicine
Prerequisites	No prerequisites.
Contact time	8 hours for 5 days
Language of tuition	English
Academic organisation	School of Health Syst & Public
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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