

University of Pretoria Yearbook 2020

Aerospace medicine 801 (LRG 801)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	25.00
Language of tuition	Module is presented in English
Department	Division of Aerospace Medicine
Period of presentation	Year

Module content

The purpose of this module is to teach the fundamental aspects of aerospace medicine

Topics addressed in this module include:

The atmosphere of the earth and other planets in the solar system; cardiovascular and respiratory physiology; hypoxia and hyperventilation; oxygen equipment, pressure clothing and spacesuits; spacecraft and aircraft cabin pressure, pressure change and its biological effects; subatmospheric decompression sickness; effects of acceleration; head injury and protection; thermal stress; noise and vibration; physiology of sleep and wakefulness; optics and vision; spatial orientation in flight; cosmic radiation; physiological effects of microgravity.

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