

University of Pretoria Yearbook 2021

Phytopharmacology 748 (BOT 748)

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| Qualification | Postgraduate |
| Faculty | Faculty of Natural and Agricultural Sciences |
| Module credits | 10.00 |
| NQF Level | 08 |
| Programmes | BSchHons Medicinal Plant Science |
| Prerequisites | No prerequisites. |
| Contact time | 1 discussion class per week, 1 practical per week |
| Language of tuition | Module is presented in English |
| Department | Department of Plant and Soil Sciences |
| Period of presentation | Semester 1 |

Module content

Pharmacological action of low molecular plant constituents and high molecular weight compounds. Plant constituents as anticancer, antibacterial, antiviral, hypoglycaemic, freeradical scavengers, hypotensive and as anti-inflammatory agents. Cell culturing, cell growth and apoptosis, cell mediated immune responses. Drug development in TB as models for research. Enzymes, receptors and plant constituents. The unique challenges of plant-based medicines.

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