



University of Pretoria Yearbook 2017

Observational astronomy 300 (PHY 300)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	36.00
Programmes	BSc Geology BSc Physics
Prerequisites	PHY 255 and PHY 263
Contact time	4 lectures per week, 2 discussion classes per week, 2 practicals per week
Language of tuition	Module is presented in English
Academic organisation	Physics
Period of presentation	Semester 1

Module content

Structure of the universe, navigation of the sky, spherical geometry, optical, radio and high energy physics and sources, instruments, practical observational skills, data recording, analysis, interpretation (signal and image processing, noise, calibration, error analysis). Project: A selected project in either optical or radio astronomy, resulting in a formal report and a presentation.

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