

University of Pretoria Yearbook 2020

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 210, PHY 255 and PHY 263

Contact time 2 discussion classes per week, 2 practicals per week, 4 lectures per week

Language of tuition Module is presented in English

Department 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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