

University of Pretoria Yearbook 2016

Radio astrophysics 720 (PHY 720)

Qualification	Postgraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	10.00
Prerequisites	Completion of the core components of the BScHons
Contact time	2 lectures per week
Language of tuition	English
Academic organisation	Physics
Period of presentation	Semester 2

Module content

Goals and techniques of modern radio astronomy, studies of galaxies and interstellar medium, radiation mechanisms, neutral hydrogen, astro-chemistry, masers, supernovae, pulsars and transient phenomena, high red-shift universe, quasars. Radio receivers and techniques.

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