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# University of Pretoria Yearbook 2016

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## Exploring the universe 154 (SCI 154)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Natural and Agricultural Sciences</a>
<b>Module credits</b>	16.00
<b>Programmes</b>	<a href="#">BSc Chemistry</a> <a href="#">BSc Extended programme - Physical Sciences</a> <a href="#">BSc Geography</a> <a href="#">BSc Geology</a> <a href="#">BSc Mathematics</a> <a href="#">BSc Meteorology</a> <a href="#">BSc Physics</a>
<b>Prerequisites</b>	Prohibited combination SCI 164
<b>Contact time</b>	4 lectures per week
<b>Language of tuition</b>	English
<b>Academic organisation</b>	Physics
<b>Period of presentation</b>	Semester 1

### Module content

The content of this course is the same as SCI 164 and students are not allowed to register for both SCI 154 and SCI 164.

Students from all faculties are welcome to join us in our exploration of the universe from an earth-bound perspective. We reflect on the whole universe from the sub microscopic to the vast macroscopic and mankind's modest position therein. To what degree is our happiness determined by stars? Echo's from ancient firmaments - the astronomy of old civilisations. The universe is born with a bang. Stars, milky ways and planets are formed. Life is breathed into the landscape on earth, but is there life elsewhere? The architecture of the universe - distance measurements, structure of our solar system and systems of stars. How does it look like on neighbouring planets? Comets and meteorites. Life cycles of stars. Spectacular exploding stars! Exotica like pulsars and black holes.

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.

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