



2021 Series 1 Course C

Title	The Cosmos Unpacked
Date	Wednesdays 3 March – 7 April 2021
Time	10 am – 12 noon
Venue	Otago Museum, 419 Great King Street, Dunedin
Convenor	Gerard Kenny Email: gerardk.nz@gmail.com Mobile: 022 053 2152
Developer	Oana Jones, Otago Museum
Course fee	\$100 (please do not pay until you receive an invoice)

Drill down into the fundamentals of Astronomy and Cosmology with Otago Museum planetarium staff and director Ian Griffin. Each session includes a journey through time and space in the Perpetual Guardian Planetarium and a face-to-face lecture. The group will be split into two with half having the Planetarium experience first and the other half of the group having it after morning tea.

This course is suitable for beginners and the venue is accessible.

All applications must be received by **Thursday 4 February 2021**. You will receive a response to your application by **Monday 15 February 2021**.

Please contact the Programme Secretary courses@u3adunedin.org.nz, phone 467 2594 with any queries.

The Cosmos Unpacked

We hope to include solar observing on the museum reserve as a part of these sessions. As this activity is dependent on weather, the order and content of the following sessions may vary slightly.

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| 3 March | Observing the night sky
The astronomical markers visible in the night sky and how to recognise constellations over the course of the year. |
| 10 March | Astronomy 101
Astronomy basics including celestial measurements, pioneers in astronomy and the movements of the solar system and beyond. |
| 17 March | Cosmology
The birth, life and death of the universe and its components. |
| 24 March | Astrophotography and southern stories
Basics of astrophotography and an insight into astronomical stories told by Southern Māori. |
| 31 March | The hidden sights of space
Black holes, dark matter, electromagnetic radiation and gravity. This session features a talk about aurora chasing and the flying observatory, Sofia.
<i>-Ian Griffin, Director</i> |
| 7 April | Space now
Modern discoveries and missions as well as current focuses for astronomers and spaceflight. |