



An introductory course in
Astronomy

presented by

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at Masjid Boorhaanol Islam
Longmarket Street, Bo-Kaap

When : **Every Wednesday between
Maghrib and Eshaa starting
on 19 February 2014**

The course is scheduled to run
over **10-12 weeks**

Course Registration fee : R50
inclusive of folder bag and
course notes

About the Course

Introduction

Astronomy is the oldest science. For thousand of years, it has had a great influence on human perception of ourselves and our surroundings.

Muslims have always had a special interest in astronomy. If there is any religion that invites man to the study and understanding of the heavens, it is Islam. An understanding of the discipline of Astronomy is essential for the appreciation of the religion of Islam. No other religion uses or relies on the heavens and the motion of the moon and sun for timekeeping and calendars as Islam does. So the moon and the sun are of vital importance in the daily life of the Muslim.

Why Learn & Teach Astronomy

Although many reasons exist for making astronomy a regular feature in any science programme, there are two that are considered crucial :

1. the rich set of connections that astronomy has to the rest of science,
2. the importance of addressing all learners' learning needs

Key Subject Aims

This specification is aimed at learners of all ages. The specification aims to give students the opportunity to:

- develop their curiosity and enthusiasm for astronomy and to take an informed interest in current astronomical investigations, discoveries and space exploration
- acquire knowledge and understanding of astronomy theory and practice and the skills needed to investigate a wide range of astronomy contexts
- appreciate that the study and practice of astronomy are co-operative and cumulative activities, and to appreciate

the links between astronomy and other branches of science

- appreciate that the study and practice of astronomy are co-operative and cumulative activities and to appreciate the links between astronomy and other branches of science
- enhance their science studies and learn about different aspects of science, alongside their other science courses
- progress to further and higher education courses in the fields of astronomy or physics

Course Outline for period 19 February 2014 to 30 April 2014

1. Introduction : The Signs of Allah.
2. The coming of the universe into existence.
3. The splitting asunder of "the heavens and the earth".
4. The creation of what lies between the heavens and the earth.
5. The perfect equilibrium in the universe.
6. The end of the universe and the big crunch.
7. Creation from hot smoke.
8. The fine tuning in the universe.
9. Orbits and the rotating universe.
10. The sun's trajectory.
11. The moon's orbit.
12. Calculating the lunar year.

To register for this course, please contact the Boorhaanol Office at Tel.021 424 1864,
fax: 021 423-7460, or email : boorhaanol@gmail.com