

## **Norman Lockyer Observatory    Introduction to Astronomy    January 28<sup>th</sup> 2012**

This one day Introduction to Astronomy course will be held at the Norman Lockyer Observatory on Saturday 28<sup>th</sup> January 2012. The course tutors will be drawn from members of the society, who are unpaid volunteers. Course fees are used to maintain and expand the observatory buildings and facilities.

**There are toilets, with disabled access, and free parking on site. The building will be open from 10.00am.**

**10.15 am Looking at the Night Sky.** The planetarium will be used to demonstrate the interesting objects which can be seen in the night sky.

**11.00 am Using Star Maps.** A talk on how to use the star maps which can be found on software, the internet and in newspapers, and the use of a planisphere.

**11.45 am Coffee/tea break.**

**12.00 pm The Planets.** A description of the planets and a glimpse into our current understanding of planetary science

**12.45pm Lunch.** There are no catering facilities at the NLO but there is a public picnic area in the grounds and the room inside for those who wish to bring their own packed lunch. Tea and coffee will be available.

**1.45pm The Sun and the Moon.** How to observe the Sun and the Moon safely.

**2.30 pm Stars, Nebulae and Galaxies.** A brief description of stars and 'fuzzy' objects as seen by eye and by amateur and professional equipment.

**3.15 pm Tea**

**3.30pm Telescopes.** A discussions of the types of telescopes and binoculars used by professionals and amateurs, including basic astrophotography.

**4.15pm Tours of the Observatory.** See the historic and modern telescopes and displays housed at the observatory.

### **Viewing through the telescopes**

Those attending the course today are invited to come along to any one of our forthcoming open nights free of charge. Please refer to our leaflet or website for opening times.

**Please be aware that the telescope domes are unheated, so warm clothing is essential for this part of the day, and for open evenings. We look forward to meeting you and answering our questions.**