



Dear friend/member/amateur astronomer,

It appears to us, as if the sky never changes. To emphasize this, in ancient times, philosophers and scientists introduced the Sphere of Fixed Stars. Despite this idea, there are many astronomical phenomena which only last for a small amount of time. It takes just a day to notice that the Moon changes its position and phase. Many stars change their brightness. We observe occultations, where a celestial body hides from the observer another body. Meteors are one of the most spectacular views in the sky.

Which sky phenomena have a small duration of time? What to expect and when they occur? How to observe them?

The **KITION PLANETARIUM & OBSERVATORY** prepared for you a special course with the answers to these questions...

## **THE SKY IS ALIVE**

The course consists of 4 sessions with telescope observations. It will offer you the skills to observe the craters and seas on the Moon. You will be fascinated by the interesting world of variable stars and how much information can be collected during occultations of stars by asteroids. You will be impressed with the secrets revealed from shooting stars regarding the formation and evolution of our Solar system.

The sessions will be conducted by the Astrophysicist Alexander Prokofyev a special guest of the KITION PLANETARIUM & OBSERVATORY from Ukraine, every Friday, **starting on Friday 9<sup>th</sup> March 2018 at 19:00** at the KITION PLANETARIUM & OBSERVATORY, in Kiti.

At completion of the course a participation certificate will be awarded.

FEES: ADULTS €70 - STUDENTS €50

### **REGISTRATION REQUIREMENT** (Answer all three questions below:)

1. What is the color and brightness of the bright star with coordinates: Right ascension 05h 55m Declination +07° 24' ?
2. Why it is impossible to give answer for the brightness of the star in question 1 in one number, but you gave it as a range?
3. At daytime sometimes apart of the Sun the Moon is visible. Though it is not so common, the Moon can be seen under the rainbow. When it happen, which phase it has?

### **OBLIGATORY REGISTRATION BEFORE 2<sup>nd</sup> OCTOBER 2017.**

If you found it difficult to answer the above questions then we suggest you to take the course for beginners **READ THE SKY**, which apart of giving you a complete picture of the Universe, teaches the skills to literally read the sky and as result you will be able to answer these questions.

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FACEBOOK: <http://www.facebook.com/groups/kition/>

GOOGLE MAP: <http://goo.gl/VndJv6>