

## **2 Course of Astronomy - 2 Days**

### **2.1. Schedule**

	Day 1	Day 2
16:00-17:30 hs.	Accreditation/Opening/Pre course evaluation	
17:30-18:30 hs.	Lecture 1	Lecture 2
18:30-20:00 hs.	Workshop 1	Workshop 3
20:00-20:30 hs.	break	break
20:30-22:00 hs.	Workshop 2	Workshop 4
22:00-22:30 hs.		Closing/ Post-course assessment

### **2.2 Themes of the lectures**

- 1 - History of Astronomy
- 2- Solar System.

### **2.3 Topics of the workshops**

- 1 - Local horizon and sundials.
- 2 - Simulators of movement
- 3 - Earth-Moon-Sun system: phases and eclipses
- 4 - Briefcase from the young astronomer

### **2.4 Evaluations**

The evaluation of the course is equivalent to the general NASE course.

## 2 Monographic course of Astrophysics –

### 2 Days

#### 3.1. Schedule

	Day 1	Day 2
08:00-09:30 hs.	Accreditation/Inauguration/Pre course evaluation	Workshop 3
09:30-10:30 hs.	Lecture 1	Lecture 2
10:30-11:00 hs.	Break	Break
11:00-12:30 hs.	Workshop 1	Workshop 4
12:30-13:30 hs.	Lunch	Lunch
13:30-15:00 hs.	Workshop 2	Workshop 5
15:00-16:30 hs.	Working group 2	Working group 3 / closing assessment
16:30-17:00 hs.	Break	
17:00-18:30 hs.	Astronomical visit	
18:30-19:30 hs.	Dinner (Free Time)	
19:30-22:00 hs.	Working Group 1 Observation	

#### 3.2 Themes of the Lectures

- 1 - Life of stars
- 2- Cosmology

#### 3.3 Topics of the workshops

- 1 - Solar Spectrum and sunspots
- 2 - Life of stars
- 3 - Astronomy outside the visible
- 4 - Expansion of the Universe
- 5 - Simulators of movement.

#### 3.4 Topics for working groups

- 1 - Preparation Observations: Software and telescopes:
- 2 Astronomy in the city, Cultural Astronomy or Arqueoastronomy
- 3 - Debate on the teaching of astronomy in the host country Meeting with posters to show the participating teachers experience. Exhibitions of astronomy books.

***Publication: Lights of the Cosmos***

#### 3.5 Evaluations

The evaluation of the monograph course is equivalent to the full NASE course (see section 1.5)

## **1- Monographic course of Astrobiology –**

### **2 Days**

#### **4.1. Schedule**

	Day 1	Day 2
08:00-09:30 hs.	Accreditation/Inauguration/Pre course evaluation	Workshop 3
09:30-10:30 hs.	Conference 1	Conference 2
10:30-11:00 hs.	Break	Break
11:00-12:30 hs.	Workshop 1	Workshop 4
12:30-13:30 hs.	Lunch	Lunch
13:30-15:00 hs.	Workshop 2	Workshop 5
15:00-16:30 hs.	Working group 2	Working group 3 Closing assessment
16:30-17:00 hs.	Break	
17:00-18:30 hs.	Astronomical visit	
18:30-19:30 hs.	Free Time	
19:30-22:00 hs.	Working group 1 Observation	

#### **4.2 Themes of the conferences**

- 1 - Life of stars
- 2-SolarSystem.

#### **4.3 Topics of the workshops**

- 1 Phases and eclipses
- 2– Solar and Stellar demonstrators
- 3 --Astronomy outside the visible
- 4 Planets and exoplanets.
- 5 - Astrobiology

#### **4.4 Topics for working groups**

- 1- Preparation observations
- 2- Astronomy in the city or Arqueoastronomy
- 3- Debate on the teaching of astronomy in the host country/city. Meeting with posters to show the participating teachers experience. Exhibitions of astronomy books.

#### **4.5 Evaluations**

The evaluation of the monograph course is equivalent to the full NASE course (see section 1.5)