

*at Joshua Tree National Park*

74485 National Park Dr. Twentynine Palms, CA 92277  
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## Night Sky Photography

### Information

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Date/ Time: Saturday, May 7, 1:00 PM – 10:00 PM  
Sunday, May 8, 9:30 AM – 12:30 PM  
Meet at: [Oasis Visitor Center](#) (click on the link for a map to the meeting site)  
74485 National Park Drive, Twentynine Palms, CA 92277  
Instructor: Dennis Mammana, M. S., Astronomy, Sky Photographer, Syndicated Columnist

### Overview

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If you enjoy photography and are fascinated by the desert night sky, this two-day hands-on workshop is for you! Noted sky photographer Dennis Mammana will teach participants how to use even the simplest of cameras to create magnificent celestial portraits. The class will begin with tips for setting up and shooting the night sky including a few tricks of the trade. That evening, participants will head to the Hidden Valley Picnic Area to try out their new knowledge under the real night sky. The next day, the class will look at images from the previous night, discuss their pros and cons, and try out some image processing techniques in PhotoShop that will make your photos pop. Any camera, digital or film, will work, as long as it can be adjusted manually, used with a tripod, remote control, and can take exposures of 15, 30, or more seconds. Students should have a good working knowledge of their equipment prior to taking this class. Students need to provide their own camera, tripod, camera equipment, and dress in layers as the nights can be cold.

Please bring a flashdrive to share your field class images with the class and instructor on Sunday.

### Itinerary

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Saturday, May 7, 1:00 PM – 10:00 PM

*Oasis Visitor Center, Twentynine Palms*

- Set-up and sky shooting lecture
- Dinner break, **bring your own food**
- Field class at Hidden Valley Picnic Area

Sunday, May 8, 9:30 AM – 12:30 PM

*Oasis Visitor Center, Twentynine Palms*

- Image and processing discussion

## What to Bring to the Course

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### ***Required Class Materials***

- Camera with lens with ability to take exposures of 15, 30, or more seconds
- Memory card or color film 200, or 400
- Camera Battery
- Sturdy Tripod
- Remote Control or Camera Release
- Flashlight/head lamp with red lens or red cellophane to cover light
- Food for Dinner break
- **Your camera user manual**

### ***Optional Class Materials***

- Chair
- Bubble level
- User manuals
- Lens cleaner
- Camera bag
- Laptop computer
- Hiking poles

### ***The 10 Essentials: Everyday in the Desert***

- Day pack
- 4 quarts of water
- Hiking boots with traction soles
- Lunch and snacks
- Clothing layers
- Hat
- Flashlight
- Sunscreen/sunglasses
- Notebook and pencil/pen
- Whistle

## **Fitness Requirements**

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Participants must be in good physical condition for courses/activities in a desert that may be hot, dry, windy, and sometimes surprisingly cold.

## **Hike Level**

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Easy

## **Guidelines**

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- You are responsible for your safety.

- Park your car in designated areas only. Parking along the side of the road is dangerous to you and the environment.
- Rattlesnakes are present in the desert. Avoid contact with wildlife. Put your hands and feet only where you can see them.
- Stay with the group. If you get lost, stay put.
- Drink plenty of water. If you run out, notify the instructor or the Desert Institute Representative.
- Watch your step. Some of the class is at night, please bring a flashlight and beware of uneven ground and equipment.
- Before leaving the class, check out with Desert Institute Representative.

### **Instructor Biography**

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**Dennis Mammana**, M.S., Astronomy, has delivered the wonder and mystery of the cosmos to audiences for over three decades. A nationally syndicated newspaper columnist with [Creators Syndicate](#) and author of six books on popular astronomy, Mr. Mammana is also an accomplished night sky photographer and invited member of [TWAN](#)—an international team of the most highly acclaimed sky photographers on the planet. Mr. Mammana photographs the heavens from around the world, but mostly from his desert home in Borrego Springs. His work can be enjoyed online at [dennismammana.com](http://dennismammana.com).

### **Suggested Reading**

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\* The Desert Institute staff/instructors will attempt to accommodate participant's needs; however we reserve the right to deny a student participation in the course due to concerns regarding health and safety issues.