



# YELLOWSTONE FOREVER

## YELLOWSTONE'S GALACTIC NIGHT SKY: A PHOTOGRAPHY WORKSHOP

### Itinerary & Details

FIELD SEMINAR – WINTER 2023/24

**INSTRUCTOR:** Angela Tempo, MA

**INSTRUCTOR BIOGRAPHY:** Angela is a naturalist and photographer who specializes in the Greater Yellowstone Ecosystem and night sky photography. She graduated from Boston University with a bachelor's degree in journalism and social communications, a master's in photojournalism from the same institution, and a master's in public relations from Kent State University. Before Angela moved to Yellowstone, she worked at Georgetown University in Washington DC. She also worked as a first responder with FEMA, deploying around the world when natural disasters strike. In Angela's free time, you'll find her rafting, painting, and hiking with her dog. She currently lives in Gardiner, MT, allowing her to immerse herself in the area year-round and keep learning about Yellowstone National Park, Grand Tetons National Park, and surrounding public lands.

**ACTIVITY LEVEL:** This course is activity **level 1** and students enrolled in this course are expected to be active participants. Be prepared for leisurely hikes up to 1 mile per day through relatively flat terrain on maintained or snow-packed trails.

*\*All field activities will be conducted as a group. If participants cannot meet the activity level expectations during the program, they may be restricted from participation in daily outings. Program itineraries or activities will not be altered to accommodate participants who cannot meet the expectations of the stated activity level.*

**LOCATION:** Course begins at the Yellowstone Forever classrooms located in Gardiner, MT.

**PROGRAM DATES & TIMES:** The program begins at 7:00 PM on Friday, February 9, 2024, and ends on Sunday, February 11, 2024, at 5:00 PM

**LODGING CHECK-IN & CHECK-OUT:** No lodging is provided for this course, however, there may be limited lodging available through Yellowstone Forever at the Yellowstone Field Overlook Campus. For more information, please contact the Institute at [institute@yellowstone.org](mailto:institute@yellowstone.org). More information on Gardiner-based lodging here: [Gardiner, MT - Lodging](#).

**MEALS:** You will need to bring your own food; lunch should be able to travel in the field with you.

**For general information about the facilities, preparing for classes, what to expect, cancellation policies, and more, please see the [Gardiner Field Seminars - Winter General Information](#) document.**

## PROGRAM ITINERARY

The darkness of the night skies in Yellowstone is palpable, revealing the depths and beauty of the galaxy. Humans have evolved under these skies, studying them, and being shaped by them. This class will peer into the darkness and focus cameras towards the cosmos through still photography and long exposure techniques. This seminar starts with a classroom introduction to the basic tools and skills of night sky photography. Students will then bring these lessons into the field to capture beautiful night images, all while discussing the importance of darkness and stars to humans and other species in the ecosystem that depend on these features to thrive. This seminar will also touch on post-processing techniques.

The itinerary is designed to take advantage of the best opportunities in the park, but may be adjusted to adapt to weather conditions, wildlife activity, holidays, and road construction.

*The details and timing of the agenda are subject to change.*

### **Day 1            Evening Orientation**

Evening welcome, introductions, and background information.

### **Day 2            Nightsky and Milkyway Pictures**

This day has a focus on long exposure photography techniques.

### **Day 3            Timelapses and Nightsky Wildlife**

The focus for the day will be timelapse techniques to include post processing. There will also be discussions related to how the nightsky affects local wildlife.

## PROGRAM EQUIPMENT

This course requires participants to bring the items listed below. Additionally, for general program gear and for a full list of what is included in this course, check out the [Gardiner Field Seminars - Winter General Information](#) document.

### REQUIRED GEAR

- ☐ **Comfortable Shoes**
- ☐ **Snow and/or Rain Gear** - *extra layers are highly recommended.*
- ☐ **Headlamp or Flashlight**
- ☐ **Sky Apps** - the following apps are recommended downloading to your smartphone in advance: Moon, Skyview, and Star Walk

## RECOMMENDED READING

No specific readings are required, but participants might enjoy a variety of Yellowstone themed publications by visiting Yellowstone Forever's online store at [shop.yellowstone.org](http://shop.yellowstone.org). Yellowstone Forever supporters receive a 15% discount and proceeds directly support the park.

## WHOM TO CONTACT

**For any questions, concerns, or additional information please contact the following:**

- Program itinerary, health forms, payment, and activity questions please contact Yellowstone Forever at [institute@yellowstone.org](mailto:institute@yellowstone.org) or 406-848-2400
- Road updates, park conditions, and general park information please contact Yellowstone National Park Service at <https://www.nps.gov/yell/contacts.htm>
- If running late for a program, please contact 406-848-2400