

Scientific Photography

**Saturdays,
10 am-1 pm**

ERDC.com Studio
2425 Smith River Road
Drain Oregon, 97435-1096

3 PDU credits with certificate for teachers

(check with your school to be sure credits accepted)
(PDUs based on 1 CEU=10 h class time by IACET criteria)

To Register for class: 541.836.7046

Tuition for 10 classes (30hrs) \$150 for PDU
5 classes (15hrs) \$100
4 classes (12hrs) \$80
3 classes (9hrs) \$60

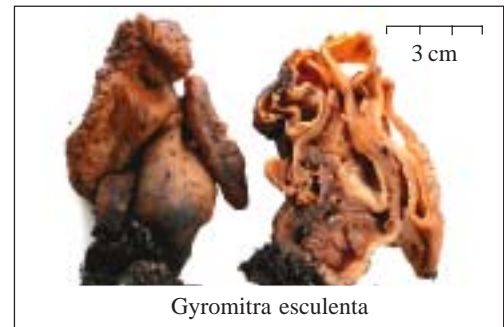
For Questions: *Email:* marko@erdc.com
Website: www.erdc.com

Passion Flower
(Passiflora sp)



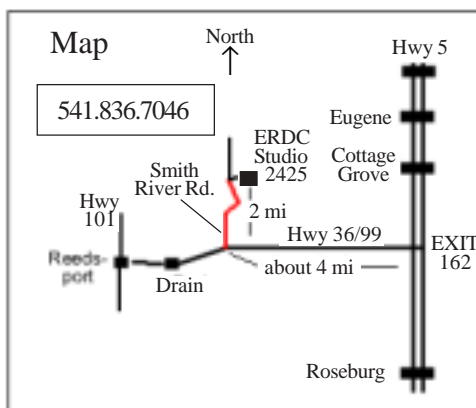
Course Description:

- We spend most of our time collecting specimens & taking pictures in the forest near Drain with digital cameras using natural light. **It's fun & relaxing.**
- This is a practical introduction to scientific photography and you'll learn about backgrounds, depth of field, scale, subject positioning, camera viewpoint, shutter speeds and various lighting tricks.
- You'll will learn how to use your camera to create images that can be reproduced for learning materials such as workbooks, booklets, or in magazines & journals.
We will also talk about retouching & file sizing images to be published on the Internet.



Equipment & Items Needed

- 1) **Digital Camera** doesn't have to be fancy, but you need to be able to get close-ups of specimens
 - **4-6 megapixels works OK** (4 MP will produce prints 11x14 in.; 5 MP prints to 16x20 in.; 6 MP prints to 29x30 in., 8 MP prints to 32x40 in.)
 - **LCD display on back** (2-3 in.) needed to see image & focusing. (smaller in older cameras)
 - **Need Macro feature** for closeups
 - Image stabilizing feature is nice
 - **Zoom** feature 3-4x pretty common
 - **Memory card** — the more the better. I have 1 gig. It just means more pictures that can be stored in the camera before downloading.
- 2) **Tripod** is nice for some shots, but most of your shots will be hand held while you are crawling on the ground or while being in an awkward position on slopes etc. (hanging by toes)
- 3) **Collection Basket** for specimens
- 4) A chunk of cardboard to kneel or lay upon when it's muddy — a lot of your shots will be from a bug's eye view
- 5) A plastic bag for your camera in the rain
- 6) Dress for the possibility of rain & mud. A hat's nice.



Instructor:

Marko Mikulich

BS, Biological Science, Colorado State University
Certified Medical & Scientific Illustrator/Photographer,
University of California, San Francisco, Medical Center
MS, Instructional Technology, Utah State University
Previously on staff at the University of California, San Francisco
He now teaches at Lane Community College in Eugene OR
and conducts classes & workshops at his Educational
Resource Development Corporation Studio near Drain OR