

THEODORE PAYNE FOUNDATION



COMPUTER
PHOTO
OPTIMIZATION

BASIC
GARDEN
PHOTOGRAPHY

Credits

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Notes

Course Goal:	To familiarize the student with the basic process of taking garden photographs with emphasis on the digital format.
Lesson Objective:	<p>Upon completion of this lesson:</p> <p>In the studio setting, the student will be able to take a properly exposed, sharply focused, garden photographs of a plant, or plant parts, which clearly reveal the botanic detail (texture, hair, etc.) of the subject plant or plant part.</p> <p>For students using print film, a photograph will be scanned into digital format.</p> <p>The student will be able to do basic color and contrast adjustments on digital photographs (digital camera photos and those prints scanned in) in Photoshop on a computer.</p> <p>At the conclusion of this course the accomplishment of the objectives of this lesson will be demonstrated by printing a close-up photograph (digitally) of a plant or plant part that is properly exposed, focused, and reveals the botanic detail (texture, hair, etc.) of the subject plant or plant part.</p>
Recommended Time:	3 Hours



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Notes

- I. **Introduction** (10 minutes - Theodore Payne Foundation Education Center)
 - A. Introduce Instructor(s) and Assistants
 - B. Facilities (Restrooms, water, etc.)
 - C. Course & lesson description

- II. **Digitizing photographs** (Discussion: 10 minutes)
 - A. Scanner Setup
 - 1. Resolution
 - 2. Color setting
 - B. Scanning
 - 1. Scan prints
 - 2. Demonstrate slide scan
 - C. **Loading digital photographs**

- III. Studio close-up photography
 - A. Copy stand
 - 1. Lights
 - 2. Focus rail
 - B. Inverted lens
 - 1. Filter ring
 - 2. Focus (television)

- IV. **Digital photo adjustment techniques** (Demonstration: 40 minutes)
 - A. **Levels**
 - 1. Location: (IMAGE>ADJUST>LEVELS) (CMD/CTRL "L")
 - 2. Adjust shadows, highlights, midtones.
 - 3. Color channels
 - B. **Curves**
 - 1. Location: (IMAGE>ADJUST>CURVES) (CMD/CTRL "M")
 - 2. Adjust shadows, highlights, midtones.
 - 3. Color channels
 - C. **Digital sharpening**
 - 1. Unsharp mask
(FILTER>SHARPEN>UNSHARP)
 - 2. Actions

- IV. **Studio Project** (Student activity: 1 hour - In classroom/computer)
 - A. **Practice close-up photography with copy stand.**
 - B. **Practice digital photo adjustment on computer.**



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Selected Web Sites

www.adobe.com
www.barnesandnoble.com
www.epsononlineexperience.com
www.hp.com
www.indesigncentral.com
www.inkjetart.com
www.layersmagazine.com
www.missingmanuals.com
www.peachpit.com
www.photoshopuser.com