

**San José State University**  
**College of Social Sciences**  
**Department of Environmental Studies**  
**ENVS 166 Nature and Conservation Photography, Section #01, Fall 2021 (Hybrid)**

Wednesdays: Lectures on Zoology (including 1<sup>st</sup> Day of Class)  
Scheduled Sunday Field Trips in person on the Monterey Coast

**Course and Contact Information**

**Instructor:**

## Faculty 166 Canvas Page and MYSJSU Messaging

Students are responsible for regularly checking to MYSJSU Messaging, and Dr. 166 files on Canvas. Please do not leave messages on Canvas.

## Course Description

CATALOG DESCRIPTION: Still photography of nature and illustrative conservation subjects in both color and black and white. Theory critique sessions supplemented with field experience. Prerequisite: Photo experience or instructor consent. 4 units. **May be repeated for a total of 8 units**

THE "REAL" PREREQUISITE: (1) A desire to improve your photographic skills; (2) A desire to get outdoors, away from computer screens, musty libraries, and stacks of boring homework assignments; (3) A desire to explore nature and beautiful landscapes. This aspect which is a highpoint of person classes will be limited if the course is being taught remote and with "stay in place orders" from the university and government.

COURSE EMPHASIS: Nature photography is a broad field of photography that includes scenics (e.g., landscapes), plants, animals, birds, and insects. It sometimes encompasses 9 (i)22hahu24., 13Tj 0.032 Tc -0.0





additional equipment. A lecture early in the semester will discuss equipment and the merits and limitations of certain specialized equipment. Certain kinds of equipment, such as macro lenses, telephoto lenses, zoom lens etc., can usually be rented for short periods of time, such as weekends. Renting additional equipment is an option, not a requirement. Camera phones and auto-focus cameras (i.e., "Point-and-shoot" digital or film cameras) may not be used. **Film and/or digital cameras may be used, but only if you can manually control f stops, shutter speeds, ISO, and white balance.**

am always asking himself, would I want to work with you as a colleague; would I write you a letter of recommendation if requested; and would I offer you a job if I had a chance???

**Above normal** seminar performance = field project grade raised up ½ grade

**Normal** seminar performance = no change in field project grade

**Below normal** seminar performance = field project grade reduced by ½ grade

Opportunity for Extra Credit Bonus points are given for errors you discover in his own work, as well as software demonstrations you wish to present to the class. (e.g., 2 bonus points for demonstrating a particular software technique in Photoshop or Lightroom).

### **Classroom Protocol**

Students are expected to attend and “engage” (in-person or remote) and arrive on time (in-person or remote). Students are expected to have studied all reading and video assignments by the due dates. Students are expected to turn in their field assignments early or at least by the deadline. Students are expected to help each other, and especially this old professor with remote learning (e.g., Zooming).

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## ENVS 166/Nature and Conservation Photography/Fall 2021 Course Schedule (Hybrid)

The schedule is subject to change with fair notice. Students will be informed of any changes within a class period or via email.

<b>Date</b>	<b>Activity</b>	<b>Assignment Due</b>
Wed. 8/25	<b>PART I: INTRODUCTION</b>  A.	

<b>Date</b>	<b>Activity</b>	<b>Assignment Due</b>
Wed. 9/1	[General Q&	



**Date**



Date	Activity	Assignment Due
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Wed.  
9/22

**Part II Basic Theory of Exposure and Digital Manipulation (Con't)**

**B. The Zone System**

(Explain Files The Zone System, the Middle Gray Standard; The Zone System: Facial and Snow Values/Tones; The Zone System: Print Values and Tones; Elements of Exposure, p. 8

Explain File: Assignment "A": Exposure Compensation & Manual Mode **DUE 9/29 (Next Wednesday)**

**Watch Northrup book video:** Histograms (9:30) at [sdp.io/Histograms](http://sdp.io/Histograms)  
Location: 1269

**Watch Northrup YouTube video:** "Exposure Compensation and Spot Metering Fixing. . ." <https://video.search.yahoo.com/yhs/search?fr=yhs-avg-securebrowser&hsimp=yhs-securebrowser&hspan=avg&p=Exposure+Compensation+and+Spot+Metering+Fixing#id=1&vid=c9bf727507f9b6ff13ba6768fdb1fa6a&action=click> (6:52). Illustrates exposure compensation for light (snow) or very dark situations. Excellent introduction; relate to Assignment A above & the grey/black/white cards you bought

**Watch Northrup YouTube video:** "Dynamic Range & Stops" <https://www.youtube.com/watch?v=MfvwqcmM6FQ>  
(5:02) Illustrates The Zone System

**Watch Northrup book video:** HDR (3:00) at [sdp.io/HDR](http://sdp.io/HDR) Location: 3293.  
Illustrates need for using tripod and manual shooting

**Watch Northrup book video:** Using HDR for Overcast Skies (2:51) at [sdp.io/HDR/OvercastSky](http://sdp.io/HDR/OvercastSky) Location: 3293. Excellent discussion of how to solve this very common problem you will have

[Gary: Have available Spot Meter and gray cards. 5 Tc 0005 Tw 8.04 -0 0 8.04 242.64 114.72 Tm (; )T] ET Q q

<b>Date</b>	<b>Activity</b>	<b>Assignment Due</b>
Wed.		

Date	Activity	Assignment Due
Wed. 10/6	<p>[Q&amp;A regarding <u>any</u> previous material]</p> <p>Watch Northrup <u>Book</u> Video: <u>Editing Landscapes (9:27)</u> at <a href="http://sdp.io/Editing_landscapes">sdp.io/Editing_landscapes</a> Location 3027. Illustrates straightening horizons; getting rid of dust spots; lens correction; Rule of Thirds; bracketing in post.</p>	<p><u>Books:</u></p> <p>Davis: Location: 560793</p>
Wed. 10/13 -B		

Date	Activity	Assignment Due
Sun. 10/17	<b>FIELD TRIP #1: DAWN</b> LOCATION: <u>Carmel River State Beach</u> ASSIGNMENT: Rec.,Depth, Hyper (Note: this assignment can only be done at dawn, unless you have a neutral density filter; review above Northrup video on waterfalls). By dawn, I don't mean in the dark, but just when the	.8 (t.1 (j))2.5 (u)15.4 (s))19.1 (v)14a

<b>Date</b>	<b>Activity</b>	<b>Assignment Due</b>
Sun. 10/31	<b>FIELD TRIP #3 DUSK</b> LOCATION:	





