COURSE: PGY1800C - Digital Photography - Hybrid (CRN#12021)

PLACE: VALENCIA COLLEGE-EAST CAMPUS, ROOM: 1-150/151

DAY/TIME: TBD - ATLAS (DAY-TIME)

PROFESSOR: ALLAN MAXWELL

Contact: <u>amaxwell@valenciacollege.edu</u>

TEXT: PHOTOGRAPHY, Pearson Education Publisher, ISBN# 0-13-028271-5

By London. Stone, Upton - You may/should buy older, used editions and

save money.

NOTE: ALL COMMUNICATION OUTSIDE OF CLASS IS THROUGH E-MAIL. YOU MUST HAVE A VALID AND WORKING E-MAIL WITH VALENCIA COLLEGE. AND YOU ARE RESPONSIBLE FOR KNOWING ALL INFO THAT IS E-MAILED TO YOU.

IMPORTANT INFORMATION !!!!!!!!!

ALL EMAIL MUST HAVE THE FOLLOWING IN THE "SUBJECT" LINE: DIGITAL PHOTO 1,, STUDENT LAST NAME, FIRST NAME

EMAILS NOT HAVING THIS INFO WILL BE REJECTED AND NO CREDIT FOR THAT ASSIGNMENT WILL BE GIVEN.

IF THIS RESULTS IN A LATE ASSIGNMENT, A FULL LETTER GRADE WILL BE DEDUCTED ALL WRITTEN ASSIGNMENTS AND COMMUNICATION WILL BE CONDUCTED THROUGH EMAIL. ALL EMAILS MUST BE SAVED BY THE STUDENT; AS AN OFFICIAL RECORD OF THIS CLASS AND TO DOCUMENT ANY DISCREPANCIES.

Everything you turn in for this course must be your own, original work.

Every exposure / every image / every print submitted by you MUST be created solely by YOU Use of anyone else's negatives, images, digital files, or prints by you in any form will not be permitted. Using images created by someone else is plagiarism (and possibly federal theft and copyright infringement) and will be dealt with according to college policy The minimum consequences for plagiarizing another person's images are: an "F" on that assignment; one letter-grade lower on your semester grade; the Dean of Student Services will be notified and will place this information in your student file; possible further consequences deemed necessary by the Vice President of Instruction, including expulsion from the college. Our photography program will not tolerate plagiarism.

<u>Description:</u> This photography course is designed to introduce the student to the functionary controls of the modern digital camera and to acquaint students with digital processing and printing of the digital image. The student will be evaluated two areas: <u>technique</u> and <u>visual</u> <u>awareness/ideas</u>. The technical material helps students learn how to control the digital photographic process; visual awareness delves into composition and design, in effect making the camera an extension of the photographer's mind.

The semester is divided into:

- 1 Camera operation and visualization
- 2 Processing a digital file with Photoshop
- 3 Printing a digital image.

Materials:

A functioning digital camera with lens, having manual settings of Aperture and Shutter speed. The Owners Manual for that camera.

The appropriate storage card for the camera

Important VCC dates: http://valenciacollege.edu/calendar/

An additional storage device (another storage card similar to camera's, thumb drive, etc) Canon Gloss paper #PP201.

<u>Attendance:</u> Regular attendance in this class is <u>required</u> for your successful completion. When you are absent from class; it is your responsibility to find out what you have missed. Three unexcused absences may lower the final grade by one full letter grade. Excessive absenteeism (more than three) may result in the student being withdrawn from the class.

Withdrawal from the class:

IT IS THE STUDENT'S RESPONSIBILITY TO WITHDRAW. To receive a W, you must withdraw before the withdrawal deadline. Students who withdraw after the deadline will be assigned a WP (withdrawn passing) or WF (withdrawn failing.) To receive a WP, the student must have satisfactorily completed all assignments due as of the last date of attendance and have an overall average of 60% or higher. Students who simply stop attending class and fail to withdraw may receive a grade of F or WF, at the discretion of the professor..

A faculty member is permitted to withdraw a student up to the beginning of the final exam period, for violation of the faculty member's attendance policy, as published in the faculty member's syllabus.

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Withdrawal Date:	; A student may withdraw without
penalty at any time before the deadline,	by filling out a form with the Admissions Office and you
will receive a W for a grade. After the de	adline, if a student withdraws or is withdrawn by the
professor, a grade of WP (Withdraw Pass	sing) or WF (Withdraw Failing) will be given based on
the students academic achievement. If	you miss the final critique and/or do not make up any
missed past assignments by the end of t	he semester, you will receive the appropriate grade.

Student Competence and Evaluation:

This course seeks to reinforce the following Valencia Student Competencies:

Students will learn to <u>think critically</u> and creatively about analyzing the technical and aesthetic components of a photographic image and how each affects the other.

Students will learn to <u>communicate</u> visually and to evaluate a photographic image on the merits of its technical and aesthetic components.

Students will learn the <u>value</u> of visual communication and the personal satisfaction it brings. Students will learn how to <u>act</u> more like a serious photographer, through their use of the technical and aesthetic aspects of photography.

<u>Grades:</u> The grading in this class (and most all art classes) is based on a subjective analysis by the professor. And is a combination of the technical and aesthetic qualities exhibited by the student through their work. <u>ANY STUDENT THAT IS UNCOMFORTABLE WITH A SUBJECTIVE ANALYSIS OF THEIR WORK SHOULD NOT TAKE THIS CLASS!!!!</u>

**** All late assignments will receive one full letter grade lower.

All incomplete assignments will receive no higher than a "D" grade. ****

<u>Makeup Assignments:</u> Late assignments will be marked down one full letter grade!_If needed, make-ups will be due the following class. <u>All assignments MUST be completed 2 WEEKS BEFORE the beginning of "Finals Week."</u>

<u>Academic Honesty</u>, in this art class is demonstrated by your individual and unique response to the assignments. No mimicking or "group think". You must always present your own personal work. COPYING WORK THAT IS NOT OF YOUR DESIGN IS PLAGIARISM AND WILL BE DEALT WITH BY THE DEAN.

GRADING SYSTEM:

"A" requires the completion of the entire assignment, with outstanding demonstrated competence in both the technical and aesthetic areas.

"B" requires the completion of the entire assignment, with less demonstrated competence in both the technical and aesthetic areas.

"C" requires the completion of the entire assignment, with significant weaknesses of demonstrated competence in both the technical and aesthetic areas.

"D" results from a very poor or incomplete assignment.

"F" results in not presenting any assignment.

"P/F" - Pass / Fail - These assignments are easy and require the student to do a minimum of work. If the students does ALL that is requested they get a "P", if they do less than is required they get an "F". The ratio of P's to F's is used as a factor in the student's Final Grade.

<u>Classroom Policies Student Behavior:</u> The instructor reserves the right to change the course syllabus when needed. Changes will be announced in class or through e-mail. Please use common courtesy by not talking during class while the professor is presenting the lecture or while audiovisual materials are presented. Since attendance will be taken at the beginning of the class, any student arriving late must inform the instructor after class in order to receive credit for attendance. Cellular telephones and beepers are always disruptive when they are activated during class; please attend to them beforehand. Turn them OFF!

LAB ETTIQUETTE

The lab and classrooms have carts to hold student food and drink. Please help us out by reminding students not to have these items at their computers.

Please shut down the projectors when you leave your class...each bulb is a few hundred dollars, so we try to shut them down when we aren't using them.

"Students with Disabilities who qualify for academic accommodations must provide a Notification to Instructor (NTI) form from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities. Please contact (campus phone number) for more information." For east the number is Ph: 407-582-2229

<u>Baycare:</u> Valencia College is interested in making sure that all students have a successful college experience. To that end, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management, relationship problems with school, home and work. BAYCARE-Behavioral Health Student Assistance Program service is free to all Valencia College students 24 hrs a day at 800-875-5470. free face-to-face counseling is also available.

SUPPLIES:

STUDENTS SHOULD EXPECT TO SPEND \$30 ON MATERIALS (not including the camera and fees)

DIGITAL CAMERA:

A proper functioning Digital Camera with lens, storage card, battery, with manual controls of aperture and shutter speeds. Light meter in camera or hand-held. And, the Owners Manual for that camera. Tripod (optional). A digital CAMERA is your top priority. It does not matter which kind, though full manual exposure controls are helpful. Having RAW capability is nice but not essential.

An additional storage device (another storage card similar to camera's or thumb drive, etc) Something to transport your images without bringing in your camera.

PHOTO PAPER: Need not buy until printing at the end of the semester CANON - Photo Paper Plus Glossy II 5x7 for testing (20 Sheets) = \$8.50 approximate CANON - Photo Paper Plus Glossy II 8.5x11 (20 Sheets) = \$14.00 approximate

1-11x14 Manila Envelope:

Large enough to hold your assignments and your final portfolio. MUST! Have your name and assignment #s on the envelope!!!!!!! All print assignments MUST be presented in this envelope!

ASSIGNMENTS

ALWAYS present your assignments in a formal way. Organizing them into separate folders one for <u>EACH assignment and numbered by assignment</u>, on your transfer memory card. Also, keep a backup folder at home on your desktop.

You may always create more images than the assignments call for. And, I will gladly view and comment on them if you wish.

ASSIGNMENT #1

Camera Controls

Introductions & discussion of Camera parts and types (Bring your owners manual and text book to this class).

Menu items and shooting modes (Auto vs. Scene vs. Priority).

READ: Chapters 1,2,, BEFORE THE ASSIGNMENT

https://www.youtube.com/watch?v=mkhQK 8pu9U https://www.youtube.com/watch?v=pzgALhGF8_o

Photograph subjects of interest to you, using different shooting modes to see how that effects your images.

Set your control button to MANUAL setting.

Use ALL settings of aperture and ALL shutter speeds and ALL ISO's (100 iso - 6400 iso), of the same scene.

The basic idea of the assignment is; to change ALL the variables of Aperture-Shutter Speeds and ISO's but <u>STILL GET THE SAME NORMAL EXPOSURE!</u>

ALL FRAMES SHOULD HAVE DIFFERENT APERTURES, SHUTTER SPEEDS, ISO's , BUT all have a CORRECT EXPOSURE.

PRESENTATION: 20-30 IMAGES

DUE DATE_____
GRADE - P/F

ASSIGNMENT #2

EXPOSURE-Camera Controls & Composition

READ: Chapters 1,2, 3, BEFORE THE ASSIGNMENT VIEW VIDEO:

http://lifehacker.com/5814173/basics-of-photography-your-cameras-manual-settings https://www.google.com/search?q=YOU+TUBE+DIGITAL+CAMERA+BASICS&ie=utf-8&oe=utf-8 http://www.cnet.com/how-to/dslr-tips-for-beginners-how-to-use-manual-mode/

A: Aperture / F Stop; Depth of Field

Choose a scene with <u>clear</u>, <u>distinct</u> VERTICAL POINTS for <u>foreground</u>, <u>middle ground</u>, <u>back</u> <u>ground</u>, ALL with vertical points of reference. Focus on <u>middle ground</u> reference point <u>ONLY</u>. Set your largest lens aperture. Calculate a correct, "normal" exposure. Expose. Do the same with all other FULL apertures. Stopping Down one full aperture setting for each new exposure. Make sure to adjust each, for a normal exposure with a <u>corresponding change in shutter speed</u>.

All frames should be the same in terms of overall exposure/density/contrast. With the only visual changes being in perceived depth of field. Use ALL your Full Apertures!

B: Shutter Speed: Freeze/Blur Motion

Choose an outdoor scene with an object in motion. Going <u>across</u> (L/R) the image plane, Make exposures using ALL shutter speeds (fast to slow). Be sure that all exposed frames have the same "<u>NORMAL" exposure</u>. Remember, when shutter speeds change, apertures must have a corresponding opposite change to produce a "normal" exposure.

PRESENTATION: 15-20 IMAGES

A- Largest to smallest aperture

B- Fastest to slowest shutter speed

All images should be the same exposure for "Normal Exposure" from your camera and exhibit shallow to deep DoF. And, frozen to blur object in motion.

DUE DATE_____

GRADE - P/F

ASSIGNMENT #3

Light and Exposure

READ Chapters 4, BEFORE THE ASSIGNMENT VIDEO:

http://www.digitaltrends.com/how-to/understanding-exposure-settings/

https://www.google.com/search?

q=YOU+TUBE+DIGITAL+CAMERA+BASICS&ie=utf-8&oe=utf-8#q=YOU+TUBE+DIGITAL+CAMERA+LIGHT+EXPOSURE

http://digitalphotographylive.com/exposure/

DEPTH OF FIELD

- A.- 5 Images of very shallow DoF, with your lens largest aperture
- B. 5 images of deep DoF, with your lens smallest aperture
- C. 5 images of blurred motion, with your camera's slower shutter speeds
- d. 5 images of frozen motion, with your camera's faster shutter speeds

PRESENTATION: 20-30 IMAGES

A variety of images all having <u>Normal</u> exposures, but with different Apertures, Shutter Speeds DUE DATE:_____

GRADE - P/F

ASSIGNMENT #4

ISO vs NOISE (DIGITAL GRAIN)

Choose a low light indoor scene of your own choice. Start with your <u>lowest</u> ISO setting (100) and make a "normal" exposure. Now, make a normal exposure with all other ISO settings available for your camera (100 iso - 6400 iso). Examine how higher ISO settings create more digital noise. At what ISO setting do you see enhanced noise levels? Make a note and be prepared to discuss.

PRESENTATION: As many images as your camera has ISO settings.

Grade - P/F

***** THE FOLLOWING ASSIGNMENTS WILL BE GRADED NORMALLY - A-B-C-D-F

ASSIGNMENT #5

<u>Portrait with Varied Points of View</u> <u>High - Low - Near - Far</u>

VIEW VIDEO:

http://www.wikihow.com/Compose-Photos

https://www.google.com/search?q=photography+picture+composition&client=firefox-a&sa=X&rls=org.mozilla:en-US:official&channel=fflb&tbm=isch&tbo=u&source=univ&ei=5H-YU8mlB-ml8QGB54GQAg&ved=0CC8QsAQ&biw=1285&bih=1072#channel=fflb&tbm=isch&q=portrait+photography

https://www.google.com/search?

 $\underline{q=photo+images+of+dramatic\&biw=1350\&bih=872\&tbm=isch\&source=lnms\&sa=X\&ved=0ahUK}\\ \underline{EwjP7cry8vjNAhWCph4KHQ3xDcYQ_AUIBigB\&dpr=1}$

http://www.photographymad.com/pages/view/10-top-photography-composition-rules

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Choose any ONE person and photograph them from a VARIETY of points of view. You must have visual examples of your ONE subject photographed from 3-5 DIFFERENT— (HIGH, LOW, NEAR

and FAR) camera angles/points of view. These camera positions should be as different and dramatic as possible. GET ON LADDERS, LAY ON FLOORS, GO FOR THE DRAMATIC!!!

Find unusual angles.

If you're sitting or standing like everyone else, you're probably going to take back some blah photos. Kneel. Climb on a chair. Crouch. Lie down. Shoot down a stairway. Get off your butt.

PRESENTATION: 12-15 IMAGES

Wide variety of images of the same subject from VERY DIFFERENT angles.

DUE DATE:

<u>Grade -</u>

ASSIGNMENT #6

QUALITY OF LIGHT- ARCHITECTURE:

VIEW VIDEO: http://digital-photography-school.com/architectural-photography/

http://www.exposureguide.com/architectural-photography-tips.htm

https://www.google.com/search?

q=PHotographing+architecture&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj3hI6f8PjNAhWD0iYKHen0BEU Q_AUICCgB&biw=1350&bih=872

The quality of light changes dramatically; Outdoors, from morning to noon to dusk to night. From clear sky, to overcast / diffused daylight, Indoors, from window light to tungsten and fluorescent; to the direction of light.

A: Photograph AN INTERESTING ARCHITECTURAL SUBJECT- at three very different times of the day, Early Morning, Mid Afternoon, and Dusk. Bracket your exposures +/- 2 stops. In full stop increments (total of 5 frames, per scene). You may choose three different buildings at three different times of day, If you choose a building make sure the ENTIRE building is in the frame!!!!

Required: Bracket your exposures for all scenes. Use full 1stop increments

PRESENTATION: 10 - 15 IMAGES

Wide variety of architectural images, whole buildings to details, at the most different times of day, from morning, noon, dusk and evening.

DUE DATE _____

ASSIGNMENT #7

SEEING & COMMUNICATING WITH IMAGES

READ Chapter "Seeing Photographs", BEFORE THE ASSIGNMENT VIEW:

http://petapixel.com/2015/09/06/10-famous-street-photography-quotes-you-must-know/http://photography-now.net/

First: Read an unabridged dictionary and read/write the definitions of: familiar, unfamiliar, emotion, abstraction. THEN.....

- A: A familiar object in an unfamiliar way. 2 different prints of 2 different ideas
- B: An emotion (love, hate, envy, desire, etc.) 2 <u>different</u> prints of 2 different ideas
- C: An abstraction of anything. 2 different prints of 2 different ideas

<u>PRESENTATION:</u>	6	IM/	<u> ۱GI</u>	<u> </u>				
DUE DATE:								

FINAL PORTFOLIO:

Portfolios will be evaluated on the basis of:

Full range of tones. Full tonal scale.

Shadow - Highlight Detail.

Good clear and precise borders

No dust, dirt or distracting marks.

Degree of interesting content.

DUE DATE:

LIGHT

VIDEO http://petapixel.com/2014/10/06/infographic-the-manual-photographers-cheat-sheet/

MORE_____ LESS Aperture 1 1.4 2 2.8 4.0 5.6 8 11 16 22 32 45 F Stop 90 1" 1/2" 1/4" 1/8" 1/15" 1/30" 1/60" 1/125" Shutter 1/250" 1/500" Speeds Film Speed 12 25 50 100 200 400 800 1600 -----Film Grain-----More Less-----Graphic Arts-----Studio-----Outdoor----Sunlight------Low-Light

The concept of a "STOP" is a factor of 2. Moving to less, cuts the light by 1/2, Moving to more, increases the light by 2x.

CONTROLS

Lens Aperture = Depth of field. The smaller the aperture, the more space is in focus.

Shutter Speed = Motion; Freeze or Blur.

Hand-Held shooting slower than 1/60 may cause blurred

images!

Film Speed = Resolution, Graininess, Contrast (in combination /processing) To be chosen for the amount of light in the situation. Helps control the variables of motion and depth of field.

Light Balanced = Daylight, Tungsten, to be chosen for the TYPE of light used.

Bracketing = Exposures with more and less light on either side of "normal"

LIGHT METER

Reflective / In Camera = 18% Gray, measures light reflected from an object. Incident = measures ambient light

Understand this concept:

The better the quality (exposure, color balance, tonal scale, etc.) of the original file as captured by the camera, the better and easier the processing stage will be.

BASIC CAMERA SETTINGS:

- 1 Menu-File Type-jpeg-File Size-Fine(High, LG, Max)
- 2 Color Space -sRGB
- 3 White Balance Auto

BASIC IMAGE CAPTURE:

- 1 Compose composition-Framing
- 2 Critical Focus
- 3 Critical Exposure-Internal Exposure Meter = 0

BASIC IMAGE PROCESSING:

- 1 Open image file
- 2 Image / Rotate
- 3 Image / Duplicate
- 4 File /Save/TIFF
- 5 Image / Image Size / Resample Image = OFF / Constrain Prop. = ON
- 6 Resolution = 300 ppi
- 7 Image / Adjustments / Levels (Adj highlight/shadow points)
- 8 Filter / Sharpen / Unsharp mask (view @100%, do NOT over sharpen)
- 9 File / Save ; TIFF

BASIC IMAGE PRINTING:

- 1 Open image file
- 2 File / Print
- 3 Printer / choose appropriate
- 4 Color Management / Doc / Photoshop Manages Color
- 5 Choose Correct Paper Type
- 6 Relative Colorimetric, Black point compensation checked ON
- 7 Print Settinas

Choose Correct Printer

Presets: Default

Paper Size - Choose the one you're using

Color Matching - should be all grayed out

Printer Settings - Basic - Sheet Feeder - Photo Paper - Glossy Output Resolution - Super Photo

- 8 Save
- 9 Choose correct Icon for Portrait or Landscape
- 10 Center Image
- 11 Print

Paper:

https://www.google.com/shopping/product/16194302629501663382? hl=en&gl=us&noj=1&lsf=seller:1311674,store: 15882509173082448964,s:l&q=8.5+x+11+canon+inkjet+paper&btnG=&oq=&prds=oid: 5871469175108455736&sa=X&ved=0ahUKEwjFv5PLn4XQAhWBOSYKHcpbDDoQ8wIIVTAA

https://www.walmart.com/ip/Canon-8.5-x-11-Photo-Paper-Plus-20-Sheets-Pack/13221601

When you are critiquing:

- Describe the image, what you see, how it is formally arranged. Address the work as it relates to the photographer's goals.
- Does the photograph communicate what it was intended to? Be as specific as you can about why or why not.
- Avoid statements such as *I like it* or *I don't like it*. Analyze and verbalize what works and what does not, offer honesty.
- Direct comments toward the work produced and not at the person who made it.
- Ask questions of the artist whenever necessary to facilitate your own understanding.
- Negative feedback is necessary, don't be afraid to voice such comments in a constructive way.
- When pointing out areas for improvement, offer ideas and solutions about how the work might be improved.
- Remember to discuss what does work in the images, provide positive reinforcement.

When your work is critiqued:

- If you've given 100% effort, you have nothing to fear.
- Critique is not personal; don't take it that way.
- Critique isn't intended to make you feel good or bad; it's intended to help you learn and grow by indicating areas in need of improvement and celebrating accomplishments and successes.
- Identifying and discussing problems helps you and others avoid similar problems in the future.
- Identify what kinds of constructive criticism have helped you improve and use the same methods when you provide feedback.
- •Take notes on comments about your work, implement changes you feel are relevant.

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Allan Maxwell			

STUDENT CONTRACT

understand the r prepared for the textbook and ha assignment. I wil	requirements of this assignments, havin ving the appropriate I act with courtesy	fully read the syllabut PHOTO course. I will g read the appropriate materials with me to in class and respect a ing the above will effe	come to class e chapter in the work on the Ill members of
	 sian name		 date