

Photo I Syllabus

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Instructor: **Mr. Aguilar**

Classroom Ext: **2012**

Room: **D2**

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Website & Course Material

www.mraart.org

SEM YETO HIGH SCHOOL

COURSE DESCRIPTION: Photo I focuses on learning the basic functions of a SLR camera (Canon) such as the menu layout, navigation of its settings, modes, and the function of Shutter speeds, Aperture and ISO. Students will learn camera techniques with the Rule of Thirds Grid and the use of a Strobe Flash. Students will learn how to upload, organize and edit photos using Adobe software such as Photoshop. Students will be introduced to Photoshop in which they will be able to demonstrate the use of basic tools and techniques for digital manipulation. Students will learn how to set up and breakdown multiple types of photo studios that use Hot Lights, Cool Lights, and Strobe Lights.

Students are expected to utilize the class website for references and materials as well as any resources placed on student network drive.

PREREQUISITES: None. A computer course preferred if possible

GRADING: Credits are based upon work completed by students and are distributed 1/2 credit increments. Each assignment is graded based upon points and those points are tallied to indicate if the student has completed the work sufficiently to receive a passing grade.

5 Credits = 80% or higher of work that has been completed.

3 to 4.5 Credits = 70%-79% of work that has been completed.

2 to 2.5 Credits = 60%-69% of work that has been completed.

1 to 1.5 Credits = Technically means student has overall failed the class but has completed enough assignments to be given some credit. This will appear on the report card as a D- because an F requires that no credit will be given to the student. *This is based upon the credit recovery system of Alt Education.*

Assignments will range in point values

- Daily assignments will be valued at **10pts**
- Multi tasked projects that take 1 to 2 days are valued at **15pts.**
- Projects based on difficulty level will range from **20 to 40 pts**

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Attendance Policy: See Sem Yeto Student Handbook for official policy including absences for disciplinary reasons.

Communication Protocols: Easiest way to reach me is through school Email as listed above. All assignments are posted on the website, as well as a printable PDF list of assignments as indicated by its button. I list all current assignments with due dates on the white board in the classroom, as well as tutorial hours after school.

Electronic Device Policy: Only classroom computers and laptops may be used. No chrome books or cell phones.

Food & Drink Policy: Absolutely no food or liquids of any kind are to be near the computers or camera equipment.

Objectives: Students will be able to demonstrate the following throughout the Photo II course

- Manually operate a SLR camera using ISO, Aperture, and Shutter Speed.
- Adjust Camera settings such as Image Size, White Balance, Auto/manual focus, etc.
- Upload and complete basic edits in Photoshop such as Image Size, Cropping, Adjustments Layers, etc.
- Create a new document and add multiple images for editing
- Use basic features of Photoshop such as Adjustment Layers, Layer Masks, Channels, Paths, selection tools, pen tool, etc.
- Save document files as PSDs, PDFs, and Jpegs

Required Texts and Resources:

- All resources are located on the Shared (S) Drive on the network. Directions for finding resource material will be given.
- Website contains lesson plans and examples. Links are provided when necessary.
- Printed lessons will be available only by request or students can print the lesson plans themselves.

Digital Photography 1: Unit Break Down (9 to 10 weeks)

- Unit1: The Camera - Overview
 - 1) Settings: ISO, Shutter Speed, Aperture (F-Stop)
 - 2) Menu
 - 3) Memory card
 - 4) Battery
 - 5) Lens Care
 - 6) Camera Dial and Navigation
 - 7) Setting up Digital Files - Digital Organization
 - 8) Navigating the School Server: Student H-Drives, Shared (S) - Drive, and locating lesson plans, assignments, and resource files for assignments.

- Unit 2: Manual Settings (*ISO, Shutter, Aperture (F-Stop))

Introduction to reformatting size in Photoshop (Ctrl-Alt-I)

 - 1) ISO: Shooting with only changing the ISO speed - What effects does ISO have on the pictures
 - 2) Shutter: Shooting with only changing the Shutter Speed - What effects does Shutter speed have on the pictures
 - 3) Aperture: Shooting with only changing the F-Stops What effects does Aperture have on the pictures
 - 4) Full Manual
 - A. Adjusting all camera settings to match shooting environment (ex. Lower F-Stop, Slower Shutter, and Higher ISO for low light conditions)

- Unit 3: Rule of 3rds
 - 1) Rule of 1/3rds
 - A. The Grid
 - B. Using the Grid to compose pictures

- Unit 4: Digital Best Practices
 - 1) File Map: Organization (review and recheck)
 - 2) Document Types: Jpeg, PDF, PSD, TIFF, EPS, GIF, PNG
 - 3) Naming Conventions for Digital Files: No spaces, periods, or special characters
 - 4) Basic Cross-Program Shortcuts
 - 5) Advanced Program Specific Shortcuts (Intro) - Ex. Ctrl-S = Save, Ctrl-Shift-S = Save As, Ctrl-Shift-Alt-S = Save for Web

- Unit 5: Adobe Tools
 - 1) Tool names and Shortcuts: Select, Select Point, Marquee, Lasso, Eye Dropper, etc
 - A. Hard Copy, Posted Copy (next to CPU's), and PDF versions of PS Tool Bar with shortcuts, Basic platform short cuts, and common Adobe PS shortcuts.
 - 2) Layers, Navigator, Brush Presets, etc
 - 3) Top Menu: Edit, Image, Layer, Select, Filters, etc
 - 4) Layer styles- Focus on "Text"

- Unit 6: Seven Elements Poster : Line, Shape, Form, Value, Color, Texture , Space
 - 1) Using manual settings and Rule of 3rds, Students shoot photos which represent each of the seven elements of art.
 - 2) Students resize images and use basic edits such as levels ad curves.
 - 3) Students create a new document (11 x 17) and learn how to add multiple images to the new doc.
 - 4) Students learn basic PS tools such as the move tool, text tool, Layer Styles, and more to create poster. (Students are repeating each action seven times, one for each element in order to embed techniques)

- Unit 7: Adobe PS Filters
 - 1) What each Filters Does: Artistic, Blur, Brush Strokes, Distort, Noise, etc. Students create Filter sheets for reference on future projects
 - A. Artistic: Color Pencil, Dry Brush, Cut Out, etc.

- Unit 8: Lighting Conditions
 - 1) Continuous Lighting (Natural Light, 5000 K-simulated sun light. strobe)
 - 2) Non-Continuous Lighting (Halogen, Light Bulb, etc)
 - 3) Backlighting
 - 4) Low Light (shadows, indoor lighting, evening)

- Unit 9: Studio Photography Part 1- Cool Lights vs. Hot Lights
 - 1) Set Up & Breakdown
 - 2) Mapping with Measurements
 - 3) Shooting Still Life/People
 - 4) Effects Cool Lights and Hot lights have on Photos: Students adjust light options (Daylight, Shadows, Florescent, Tungsten, etc) to compare effects on photos. Students make a comparison charts in PS.

- Unit 10: Photo Corrections (Adjustment Layers)
 - 1) Correcting Images using Image Adjustments (Ctrl-L, Ctrl-M, etc)
 - A. Permanent Changes -Image Adjustments vs. Adaptable Changes - Layer Adjustments
 - B. Spot Healing tools (Healing Brush, Clone Stamp, Dodge, Burn, Sponge tools)
 - 2) Correcting Images using New Layer Adjustments (Tiger, Bridge, Portrait- Located on Server in the S-Drive)

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- Unit 12: Studio Photography Part 2 (Portraiture)
 - 1) Students learn various light set ups: Back lit backdrops, One light set up no fill, etc.
 - 2) In teams of two or more, students take portraits of each other
 - 3) Minimum of 3 light set ups
 - 4) No Fill, Fill (Bounce) Card, Reflector (Foil)
 - 5) Edit & Clean up photos (Image Adjustments, Layer Adjustments, Spot healing tools)

- Unit 13: Macro Photography
 - 1) Using the rule of 3rds and other photographic techniques, photograph object(s) at close up range
 - A. Organic x 2 (Nature)
 - B. Non-Organic x 2 (Human Made)

- Unit 14: Cut and Paste
 - 1) Using Pen tool to make selection to cut and paste
 - 2) Using Marquee selection to cut and paste
 - 3) Using move tool (Black Arrow; Ctrl-V) to move selected items around image and or to another image file
 - 4) Using Path & Marquee selection to delete (Delete) or color fill selected area (Alt-Delete; Ctrl Delete)

- Unit 15: Layer Options
 - 1) Using the Template, explore the various layer options such as Multiply, Overlay, Hue, etc

- Unit 16: Photo Manipulation- Altered Photo
 - 1) With a partner, take a photo outside with a person in the shot to manipulate
 - 2) Using filters, layer options, and other Photoshop techniques, to alter the photo.
 - 3) Make a minimum of three alterations to original photo