



## I. COURSE: Digital Photography I.

II. **COURSE DESCRIPTION:** A year course instructing the fundamentals of digital photo imaging. Areas to be covered will include computers and software, digital cameras, image capture, composition, digital input, editing and manipulation, output, archiving, print making and finishing, oral and written communication skills, small business skills and practices, legal and ethical behavior in the digital photographic imaging industry.

III. **PREREQUISITE:** NONE

IV. **COURSE JUSTIFICATION:** Digital photo imaging is, at once an art and a science that makes available to the dedicated student an opportunity to express an artistic and/or commercial vision. The goals and objectives of this course of study offer the student an opportunity for creative expression as well as career exploration opportunities.

V. **OBJECTIVES:** Upon completion of this course the student will be able to . . .

- discuss the photographer's role as a media creator and producer.
- describe the hardware and software requirements of digital imaging.
- discuss the guidelines of good photographic composition.
- capture images as digital data.
- process digital data to achieve acceptable output.
- discuss still photographic imaging as fine art and commercial art.
- develop and/or participate in work-based learning experiences.
- demonstrate oral and written communication skills.
- evaluate and demonstrate small business skills and practices.
- support legal and ethical behavior in digital photographic and multi-media imaging.

## VI. CONTENT TOPICS:

- A. **SELECTED HISTORY:** Aesthetic, functional, and technical.
- B. **GETTING STARTED:** Equipment, computers, software, materials and procedures.
- C. **CAPTURE:** Cameras, lenses, exposure, digitizing and data storage.
- D. **PROCESS:** Digital image manipulation and archiving.
- E. **OUTPUT:** Digital print making and multimedia presentation.
- F. **PRINT PRESENTATION:** Mounting and framing.
- G. **PHOTOGRAPHIC COMPOSITION:** Simplicity, rule of thirds, lines, balance, framing, mergers, line, texture, shape, light, motion and perspective.
- H. **Principles and Elements of Design.**
- I. **Lighting:** Natural, artificial, directional, diffused.
- J. **BEHAVIOR:** Ethical conduct, copyright law and work ethic.
- K. **Course work:** Participation, notes, assessment, assignments, weekly faves, tutorials, projects, contests, travel.

**Unit 1 – INTRODUCTION** – slide show, photographs, travel, syllabus, expectations, DeWitt Jones movies, other videos, cameras, 1st assignment. Slide show of the students first photographs.

**Unit 2 – CAMERA** – Parts, elements, types, film, digital, get to know your camera, reading the manual, operation of digital cameras, overhead presentation of camera settings, modes, ISO, WB, Histogram, saving and uploading images, light, memory cards, dynamic range.

**Unit 3 – Computer Basics** – Macintosh, boot up basic commands, navigation, folder and file creation, file sharing, organization, and management, storage (hard drives flash drives), Mac tutorial and tour, Applications, Photoshop and Lightroom, student workspace, tools, menus, clean desktop, work folders, file saving, storage and transfer of images, empty trash daily, shut down, disinfecting wipe at the beginning of class, tidying up student work space at the end of class.

**Unit 4 – PHOTOGRAPHY HISTORY** – Discovery of Photography, important players, dates, eras, evolution of the medium, film, equipment, styles of photography, impact of photography on society, time line of important events in photography

**Unit 5 – EXPOSURE** –  $E = \text{Time} \times \text{Intensity} \times \text{Sensitivity}$ , Shutter Speed, action shots, Aperture, depth of field, ISO ranges, WB, histogram, exposure compensation.

**Unit 6 – FILE FORMATS** – jpeg, tiff, RAW, png, psd, pdf, purpose, preference, working, archiving. Review computers, cameras, exposure, formats

**Unit 7 – SELECTION TOOLS**– tutorial, three images using the tutorial commands and tools.

**Unit 8 – LAYERING** – tutorial, three images using the tutorial commands and tools.

**Unit 9 – PHOTO RETOUCHING** – healing tool, clone tool, patching tool, pattern stamp tool, three images using the tutorial commands and tools.

**Unit 10 – TESTING** – make-up work, evaluations, computer and lab upkeep and maintenance

**Unit 11 – PHOTO CORRECTION** – tutorial, three images/operation using tutorial commands and tools, color management, balance, levels by the numbers, curves, contrast, density

**Unit 12 – PHOTO MASKS** – tutorial, three images using the tutorial commands and tools

**Unit 13 – OPTIMIZATION** – Kitty cat tutorial complete and 25 images completed using the steps of the tutorial saved before and after.

**Unit 14 – PROJECT**– Image Adjustments

**Unit 15 – PROJECT**– Edit Transform

**Unit 16 – PROJECT**– Filters

Using a photograph that has image and detail in all areas, (no featureless sky, water, walls etc.) divide the 11x14 x 300 image into 1 x 1.5 blocks use and label each filter in the menu.

Select a photograph or photographs and use 6 filters either on the one image using selection tools or add layers with filters.

**VII. METHODS OF INSTRUCTION:** Short presentations, discussions, critique / reflections, demonstrations, reading assignments video and multimedia tutorials, and hands-on lab and studio work. Outside of class tutoring will be by appointment as needed by the students.

**VIII. MEANS OF EVALUATION:** Written and performance exams, print composition, project quality and demonstrated skill of photographic techniques.

**IX. Grading:** Progress reports are issued every 4 weeks and quarterly. Whenever possible there will be two grades posted per week. Students grades are always available on Infinite Campus: GRADE A—90-100%—SUPERIOR—4 GRADE POINTS • GRADE B—80-89%—ABOVE AVERAGE—3 GRADE POINTS • GRADE C—70-79%—AVERAGE—2 GRADE POINTS • GRADE D—60-69%—BELOW AVERAGE—1 GRADE POINT • GRADE F—BELOW 60%—FAILURE. EACH EXAM, PERFORMANCE TEST, IN-CLASS ASSIGNMENT, PROJECT AND DAILY POINTS WILL BE ASSIGNED A VALUE FROM WHICH YOU CAN DETERMINE A % NUMBER. YOUR FINAL GRADE WILL BE DETERMINED FROM THE ACCUMULATION OF THE POINTS IN THESE CATEGORIES.

**X. IN PERSON ATTENDANCE:** We will follow district policy for both absences and tardiness. Please

refer to your online student handbook for the current policy.

**VIRTUAL ATTENDANCE:** Attendance is based on engagement. If a student is not present for synchronous / in person instruction and does not complete the asynchronous / alternative assignment for the daily class meeting, then the student is considered absent. Teachers will contact attendance clerks once a student is determined to be absent.

**XI. COSTS:** There is a \$25 lab fee which covers the costs of the color digital printing. Pay your lab fees at the bookstore and present the receipt to the instructor.

**XII. EQUIPMENT:** Having access to a digital camera is a major advantage during the course. A limited number of loaner cameras are available. The cost for repair or replacement of damaged, lost or stolen equipment will be the responsibility of the student / parents. Refer to the Equipment Checkout Agreement sent home with student.

**XIII. DRESS CODE/BEHAVIOR:** We will follow district policy in both areas. Profanity will not be tolerated in the classroom or online. Please treat everyone and the facility with respect, make friends, contribute to a positive learning environment, try to be productive each day you are here, and enjoy your photo imaging experience. It is against class policy and proper form to talk while the instructor is talking, so don't. The virtual equivalent would be to distract other students while instruction is in progress. Poor behavior will receive first a mild reminder in class, second a student / teacher conference in hallway and third a behavior referral and temporary removal from class with administrator / parent / student / teacher conference. Finally, possible permanent removal from class with loss of grade and credit.

**XIV. Minimum Expectations in Computer Lab:** Wipe down computer screen, keyboard, and mice before touching the equipment. No food, drink, or gum near the computers Empty computer trash at least weekly. We have had some issues with storage space on the computers, suggestions: students should provide flash drive or hard drive for large storage solutions.

**XV. FOOD AND DRINK:** Only water in the computer lab, please keep it away from the computers.

**XVI. Acceptable Use of Technology:** At this point we are in a technology based environment. This fact of our lives brings with it some behavior requirements. The student handbook specifies how we should behave as we use the internet as part of our curriculum. Additionally we will have various interactions through the software that we will use during our class. While we are in a virtual group we must all be careful with our online etiquette. Usually while we are having a demo / explanation your microphone will be muted. Those times when you do speak to the group be careful with your speech, clothing, background, gestures, expressions, etc. Board policy IJNDC-R: The Governing Board intends that technological resources provided by the District be used in a safe responsible and proper manner in support of the instructional program and for the advancement of student learning. It is the policy of the Chandler Unified School District to maintain an environment that promotes ethical and responsible conduct in all electronic resource activities by staff and students. The District reserves the right to monitor use of the District's systems for improper use without warning or prior consent. Students shall be informed that computer files and electronic communications, including email, are not private and may be accessed by the District at any time. Inappropriate use may result in disciplinary action and/or legal action in accordance with the law and Board policy. Please visit the student handbook at <https://www.cusd80.com/handbooks> for further details about appropriate use of technology use.

**XVII. DAILY PTS:** At the beginning of the each quarter points will be pre-awarded for the entire quarter, for preparedness, participation, attitude, and behavior in class. Those points will be

