

Digital Imaging Syllabus 2021-2022 MVROP

Mission San Jose High School

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Course Description

Students will learn the basic knowledge, skills, abilities, and processes required for graphic design and multimedia production. Their hands-on activities will include: digital painting, digital drawing and illustrating, digital imaging and graphic design. **This course UC “f” credit approved.**

Students will use computer software to create and manipulate images. Students will have access to the in-classroom photography studio to make images that can be brought into their illustrations. Flatbed scanners are available to scan and digitize historical photographs and other objects so that they may be incorporated into projects. Vector illustrations may be imported from Adobe Illustrator and/or Photoshop to be modified or combined with photographic images. Topics range from digital media terms, to simple color adjustments to larger projects of advanced composite images integrating several software packages.

Course Objectives

To understand the tools and techniques of digital imaging
To communicate ideas visually through the creation of digital art
To appreciate the roles of digital imaging in industrial settings and society today
To integrate digital imaging methods with other creative or humanitarian pursuits
To produce a body of work that is suitable for presentation in a portfolio
To familiarize with digital imaging in preparation for an internship or college study.

Part Two of the course will introduce additional programs from the Adobe Creative Suite, which may include InDesign, Illustrator and others. This semester represents a move toward applications in industrial, professional and media settings and the development of a personal portfolio. Students project work will be oriented to their field of interest and the professional marketplace. These projects include the preparation of a letterhead, business logotype and advertising pieces. There will be 2 increased emphasis placed on larger personal projects and reflection on their work to describe, refine and present work in the language of the visual arts.

MVROP courses are “real-world” comprehensive professional education. Digital Imaging is designed for career technical and pre-professional students. Along with the technical exercises, we will discuss issues and trends in digital images and you will learn business/legal skills related to digital imaging. You will learn how to establish terms for the delivery and sale of digital images, including how to license rights to your work and prepare a digital invoice – all of this following the same industry standards that your instructor follows in his own professional work today. The curriculum for MVROP’s Digital Imaging I follows the Design, Visual and Media Arts Knowledge and Performance Anchor Standards of the California Department of Education’s Career Technical Education Model Curriculum Standards.

Some of the concepts covered in the course:

Elements of design
Typography, layout and text skills
Principles of composition
Controlling perspective
History of digital technology
Use of the pen and brush tools
Physics of light
Lighting and shadow effects
Understanding digital image capture
Converting photographs to line art
Pixels and resolution
Creating the illusion of depth / 3D
Preparing images for web and print use
Digital illustration
Workspace/Art board navigation
Digital layout
Making selections and transformations
Collage
Working with layers
Mixed media techniques
Image adjustments / adjustment layers
Photo enhancement

Metadata and its importance
Restoration and museum methods
Color theory, color space and calibration
Composite construction (Photo Merge)
Color swatches, pantones, gradients
Masking techniques
Introduction to motion effects and compositing techniques
Using channels to mask intricate objects
Workflow in Adobe Light room
Photo retouching and color replacement
Creating a web-gallery
Clipping layers
Logo design for business
Creating scalable vector graphics
Controlling perspective
Importing, converting, exporting files
Newsletter/Layout design in Adobe Photoshop
Preparing images for print or web use
Creating a webpage/FB mock-up

Develop employability competencies Integration of Adobe software
Learn to analyze and interpret images
Writing a project proposal
Exhibit high standards Collaborate in project-based learning

Prepare an entry for competition
Produce ads and PSA pieces

This course is UC-approved and there is a writing requirement

In two short research papers, you will have the opportunity to explore the work of a digital imaging genre or artist that you admire and to examine the legal, ethical or business aspect of digital imaging.

Portfolio

Students will produce a portfolio of their work, complete a visual or graphic resume, and complete an internship or employment application with letter of intent. The portfolio will be presented in digital format and there may be an opportunity to present as a webpage. Students will be required to show portfolio progress at mid-year.

Methods of Instruction

A variety of formats for learning will be offered to help students meet the course objectives, such as live demos, online tutorials, projects, lectures, film/video, class presentations and critiques.

Class time consists largely of hands-on demonstrations in software and techniques after which students are given time to complete assignments and projects on the classroom computers and I assist students individually. Generally, students are expected to complete all digital imaging work in class though, on occasion, students may need to bring new photographs or materials to class for scanning or inclusion in projects.

Final Portfolio

There will be no year-end final exam, however students will create a portfolio of 10 of their strongest pieces, combined with a visual resume (assigned in second semester) and completed job application. This application can relate to either internship, university admission or simulate a career position application. Students will insert their course completion certificate into their portfolio as well.

Certification

Students who earn a B- grade or higher will receive a Digital Imaging I Certificate of Completion from the Mission Valley Regional Occupational Program(MVROP).

Grade Breakdown (approximate, unweighted and subject to change)

This course in digital imaging relies heavily on both shared and private drive spaces established within the MVROP Google Drive storage. Students are highly encourage to bring a USB Flash drive or external drive to back up their work. Lessons, tutorials, sample images and other information are provided to students in shared class-wide folders. Students create electronic folders for the storage and submission of assigned work which is shared privately with the instructor. Assignments, with instructions and due dates are also posted on the classroom each day in class.

Here is the approximate breakdown:

- 40%: Projects
- 40%: Daily Assignments (skill building, completion of tutorials, Assignment or image prep activities, reflections, critiques)
- 10%: Work ethic and attendance. Student are subject losing points each day. Examples of poor work ethic include, but are not limited to, tardiness, cellphone use, food/non-water in class, being out of seat, excessive talking or disruption.
- 10%: Portfolio development (first semester) and final portfolio (end of year)

A+	>100	B+	87	C+	75	D+	67	F	<60
A	93	B	83	C	73	D	64		
A-	90	B-	80	C-	70	D-	60		

Classroom Rules and MVROP Professional Behavior

Violations of these rules will result in a loss of work ethic points

- Be on time and come prepared – students must be in their seat when the bell rings and stay in seat unless dismissed for other activities, and will remain in their assigned seat until the bell rings or dismissed by Mr. Taglianetti
 - NO FOOD OR DRINKS (with the exception of bottled water, capped and kept on the floor) will be allowed in classroom.
 - Cell phones and personal electronics turned OFF put inside zipped backpacks
School policy prohibits the use of cell phones in class and all cellphones, iPads and personal electronic devices should be turned off and placed inside a zipped purse or backpack at all times in class. Mr. Taglianetti will let students know when cellphone cameras will be allowed for appropriate photography and imaging use during assignments.
 - Safety and responsibility – Any behavior that endangers others, school facilities and equipment can result in permanent removal from the class.
 - Be respectful – Show respect to yourself, your peers and your teacher.
 - Hall pass / Restroom use – Restroom breaks are discouraged during the first and last 10 minutes of class. Students must carry the official laminated hall pass of MSJHS Room E7 when authorized to be outside the classroom.
- Note: All students are expected to be familiar with and follow the student policies of Mission San Jose High School.

Attendance Policy

Mission Valley ROP's mission is to prepare students for employment and career preparation via post-secondary educational opportunities. Just as in business and industry, where employees are expected to show up on time every day, MVROP students are expected to show up on time every day.

Absences & Make-up Work

Make-up assignments will be given for excused absences only, which include medical, legal or bereavement circumstances. It is the student's responsibility to make-up work and it is the student's responsibility to let the instructor know of any planned excused absence IN ADVANCE and to visit him immediately upon return to class to request the missed assignment or a make-up assignment. For those assignments that were assigned during the absence, the student will have as many days to complete the assigned work as the student was absent. Failure to complete make-up assignments will adversely affect your grade. If you are tardy or miss Digital Imaging class multiple times, your grade will be adversely affected.

Deficiency Notices:

These are issued when it is evident that a student is in danger of failing or has earned a C-. In addition, parents will receive a telephone call and/or letter from the instructor.

"I" grades (Incomplete Grade)

"I" grades are issued on rare occasions and only for emergencies and special circumstances. It is the student's responsibility to complete the work by the deadline stipulated in the Student Contract Form.

To receive an "I" grade, the student:

- Must have demonstrated great effort in the class
- Should have completed 80% of the class work;
- be in good academic standing
- Must have good attendance, and positive work habits
- Failure to submit incomplete work by the deadline will result in an automatic "F" letter grade. The instructor will not be responsible for reminding the student of his/her responsibilities.

Academic Honesty Policy

Mission Valley ROP is committed to preparing students for the workforce by imparting both technical skills and business acumen. Mission Valley ROP does not condone cheating. Several measures are in place to confirm that student work is submitted by the same person who originally completed it and only once, including the use of digital signatures, file creation dates, pixel comparison and other techniques. Any student caught cheating on an exam or copying the work of another student will be given one warning and a failing grade on that assignment. Any subsequent incident will result in termination from his/her Mission Valley ROP program, a failing grade, and loss of credits.

Use of Facilities

Students are expected to use class time and classroom equipment responsibly. We have state-of-the-art computers with the latest versions of the software we will use in this course. You must use the classroom computers even if you have the software on a personal laptop or home computing device (if you are a Mac user normally, you will become comfortable on the PC).

Students who want to check out cameras MUST sign a responsibility waiver signifying they are responsible for the safe return of the school's equipment. Only students who sign a waiver sheet will be able to take equipment off campus.

Camera & Studio Use

While this is not a photography class, Mr. T recognizes that photographic images are frequently the basis of assignments manipulated in software. So that assignments and illustrations can be fully the students' own work, students are encouraged to use their own images or make new photographs. To that end, Instructor will provide basic training in photography and use of the classroom studio sets as needed. Instructor will loan a classroom camera to the Digital Imaging student for photography use during class time if the student and their parent(s)/guardian(s) have signed the damage/loss agreement. The Instructor cannot provide permanent storage for the digital cameras or personal property of students, however he will announce to students owning their own cameras when they are expected to bring them to school for photography during class. The student is always encouraged to make images at the highest resolution or quality setting available on his or her cellphone camera, DSLR or digital camera and must see the Instructor with any questions regarding the proper use of their device before images are captured.

COVID safety

Safety Measures for K-12 Schools

Masks

Optional outdoors for all in K-12 school settings.

Per ACPHD-mask are required for all indoors.

Persons exempted from wearing a face covering due to a medical condition, must wear a non-restrictive alternative, such as a face shield with a drape on the bottom edge, as long as their condition permits it.

Schools/Districts must develop and implement local protocols to provide a face covering to students who inadvertently fail to bring a face covering to school to prevent unnecessary exclusions.

Schools must develop and implement local protocols to enforce the mask requirements.

Schools/Districts should offer alternative educational opportunities for students who are excluded from campus because they will not wear a face covering.

Physical distancing

Recent evidence indicates that in-person instruction can occur safely without minimum physical distancing requirements when other mitigation strategies (e.g., masking) are implemented. This is consistent with CDC K-12 School Guidance. 4

-----Cut and Return----- Signature:

Printed name and signature of both the student and the parent are required. Print Student Name:

_____ Class _____ Period _____

Student Signature: _____ Date: _____

Print Parent Name: _____

Parent Signature: _____ Date: _____