



# Nassau Community College

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## Electronic Imaging, Art 131

Section N1

Spring 2008

Saturday 12:00 - 5:00

Instructor Kathleen Mahoney

Department Office: **516-572-7162**

Home Phone: **516-887-3647**

Email: **mahonekh@ncc.edu**

**kathleenmahoney@gmail.com**

Nassau Community College • Art Department

One Education Drive

Garden City, New York 11530-6793

### Course Description

This course will include an introduction to the computer lab complex and Macintosh computers. Course instruction will be an introduction to Adobe Photoshop. Students will be instructed in techniques of PostScript drawing, photo illustration and 2D design. Emphasis will be on developing technique, style and accuracy with emphasis on 2D design principles. Students will create a number of photography based projects utilizing the tools of Photoshop.

### Course Objectives

This course will provide the student with a basic foundation for accomplishing digital image manipulation, illustration, and design on a computer. The course will reinforce and encourage use of basic design principles. The student will gain experience with a variety of computer graphic and design projects. In addition, basic fundamentals of computer graphics and desktop publishing will be introduced. Throughout the course, the student will practice basic computer operations (such as menu commands and window management).

### Textbook and Materials

You will need a way to back-up and transport your projects. CD-R's, FireWire or USB storage device or Zip 250mb cartridges (as needed).

There is no specific textbook required. However, students should purchase a training book or CD to enhance the lectures and tutorials covered in class.

### Instructional Procedures

Lectures, demonstrations, and instruction.

Critiques and group discussions.

Class direction on projects and individual development.

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## Assignments

Eight to ten projects and an extensive final project will be assigned. Projects will generally be assigned each week and will be due the following week. Late projects will either not be accepted or will result in a lowered grade. Students are encouraged to substitute any of the assigned projects with one of their own projects as long as they relate to the material presented in class and are discussed with the instructor (for approval) at the time the class project is assigned. Students will need to spend time in the lab or on their own computer (outside of class time) to complete these projects. One term paper (three to four pages, single spaced and typeset) will be due near mid semester. In addition, there will be tutorial assignments worked on in class. Finally, all students should maintain notes on class lectures, demonstrations and instruction. Class attendance is essential. Any forms of academic dishonesty such as plagiarism, cheating or lying may result in serious grade reductions.

## Grading

Your final grade will be determined by the sum of percentage points awarded for your performance in the following areas:

	Percent	Grade	
Term projects as assigned (usually 8 to 10)	50	90-100	A
Final project	10	85-89	B+
Midterm and Final exams	10	80-84	B
Term paper (usually three to four pages of text)	10	75-79	C+
Class participation/class tutorials	5	70-74	C
Progress	5	65-69	D+
Art Forum Yellow Card	5	60-64	D
Firehouse Gallery Questionnaire	5	0-59	F

All assignments will be handed in as a hard copy as well as in the artserver drop box. Assignments handed in late will result in a lowered grade or will not be accepted at all. The final project must be delivered physical form (hard copy). No assignments will be accepted past the final class date. You may request to better your grade by a maximum of one letter grade or ten points on any projects handed in on time except the final project. To do this, ask me after the project is graded and simply follow the revision instructions I give you. In addition to project revisions, there may be opportunity for a few extra credit points on a class or individual basis. Feel free to request extra credit assignments. You are responsible for the material, notes and assignments for any classes you miss. No more than two absences are permitted. Each absence in excess of two will lower your final grade by one full letter grade. Absences above four will result in your being dropped from the course or failure. Habitual or excessive lateness will count each two occurrences of lateness as one absence.

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# Electronic Imaging, Art 131

## Course Topics

- I. Digital Imaging and the digital revolution
- II. Ethics and copyright
- III. Introduction to desktop computers and the Macintosh lab
- IV. Overview of Photoshop
- V. Raster (bitmapped) graphics
- VI. Composition and color theory basics
- VII. Photoshop interface
- VIII. Tools and menu commands
- IX. Palettes
- X. Filters (sharpen, blur, noise)
- XI. Input devices such as flatbed scanner
- XII. Scanning
- XIII. Resolution and printing
- XIV. Cloning
- XV. Photomontage techniques
- XVI. Working with selections and alpha channels
- XVII. Choosing color (CMYK and Pantone)
- XVIII. Creating and using gradients
- XIX. Creating and using patterns
- XX. Typography
- XXI. Layers
- XXII. Composite methods
- XXIII. Working with type
- XXIV. Third party plug-ins
- XXV. Photoshop for the world wide web (GIF and JPG)

## Miscellaneous Dates

We will cover the above, most likely but not necessarily, in this order. The semester will be spent working with Adobe Photoshop, and Adobe Illustrator.

## Term Paper

The term paper should be four to five pages of text, single-spaced and typeset. Topics may include but not be limited to: a short biography of an artist or graphic designer, a summary of any work of art, a description of an art related event, or a step by step documentation of any project or technique that you wish to research. Please feel free to use the internet for source material but be aware that anyone can put information on the world wide web so not everything you read is reliable. Try to develop a feel for the accuracy of your resources. Please state your sources and write in your own words.

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# Electronic Imaging, Art 131

## Assignment Descriptions

- Week 1**      **Lecture:** Digital Imaging and the digital revolution, Ethics and copyright, Introduction to desktop computers and the Macintosh lab, Overview of Photoshop, Raster (bitmapped) graphics, Composition and color theory basics  
**Assignment: Experiment with Tools of Photoshop -**  
Size: 7" x 5" or optional. Resolution 72 ppi. No experience necessary.  
Create an artistic sketch and transfer your ideas to Photoshop. See what you can discover on your own after a brief tour of the basics. Think about composition, texture, perspective and color. Emphasis on usage of various tools and the swatches or picker palettes.
- Week 2**      **Lecture:** Photoshop interface, Colorizing in Photoshop, ch06, Restoring tutorial  
**Assignment: Colorize Black & White Image -**  
Size: 7" x 5" or optional. Resolution 72 ppi. Start with a black and white scan (grayscale). You should restore and colorize the image. Use one of the colorizing techniques demonstrated in class. Develop the image as you see fit using the basic tools. Make sure you are working in RGB mode.
- Week 3**      **Lecture:** Tools and menu commands, Palettes, Filters (sharpen, blur, noise), Input devices such as flatbed scanner, Scanning, Resolution and printing  
**Assignment: Animal/Reptile/Fish/Bird/Insect -**  
Size: 7" x 5" or optional. Resolution 72 ppi. Create realistic drawing using different brushes and techniques discussed in class. The project does not necessarily have to begin with a photo or drawing. You may take artistic direction that fits the piece and your style best.
- Week 4**      **Lecture:** Cloning, Photomontage techniques, Cubism  
**Assignment: Self Portrait -**  
Size: 8" x 10" or optional. Resolution 150 ppi. Create a self portrait using different brushes and techniques discussed in class. The self portrait does not necessarily have to begin with a photo or drawing of yourself. You may take liberties with how this assignment is to be presented. Your self Portrait should be a showcase for your style and creativity.
- Week 5**      **Lecture:** Working with selections and alpha channels  
**Assignment: Image Focusing on Scale -**  
Size: 7" x 5" or optional. Resolution 72 ppi. Create an image that depends on use of various scale for its impact. Remember contrast, focus (sharp or blurred) and overlap all play an important role in this piece. Emphasis on creativity, style, and composition.  
**Paper Due Next Week**
- Week 6**      **Lecture:** Typography, BA Logo of Letters  
**Assignment: Typography -**  
Size: 7" x 5" or optional. Resolution 72 ppi. Create a design using the following quote “**Nothing is Quite the Same**”. Focus on overlapping letters and the text rather than the image. Text must cover whole image. Use advanced features of layers and masking to create visually interesting typography.  
**Paper Due**

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## Electronic Imaging, Art 131

Week 7	Review for Midterm
Week 8	Midterm
Week 9	<p>Lecture: Composite methods</p> <p>Assignment: <b>Create a Clipping Path</b> -</p> <p>Size: 7" x 5" or optional. Resolution 72 ppi. using an approved image, create a clipping path and save as an eps to import into Illustrator or Quark Express. Create a logo or page layout using the clipped image.</p>
Week 10	<p>Lecture: Creating and using gradients, Creating and using patterns, ch08, Dreamcatcher tutorial</p> <p>Assignment: <b>Realistic Photomontage</b> -</p> <p>Size: 7" x 5" or optional. Resolution 72 ppi. Using the image of the car supplied, place two people in the car proportionally. Also, change the color and add movement. Using scanned images copy and paste selections to create a photo montage. Enhance the image using tools and menu commands. Emphasis on style and composition. Use color theory as discussed in class.</p>
Week 11	<p>Assignment: <b>Do Your Own Thing</b> -</p> <p>Size: 7" x 5" or optional. Resolution 72 ppi or higher. Do your own thing (as long as it makes use of Photoshop as a tool). Many students are well into Photoshop and have some directions of their own they would like to pursue.</p>
Week 12	<p>Lecture: Photoshop for the world wide web (GIF, PNG and JPG), BA PixTrix, BA Picture Your Group</p> <p>Assignment: <b>Two Page Web Site Design</b> -</p> <p>Size: 7" x 5" or optional. Resolution 150 ppi or higher. A three color identity, for a two page website of your choosing. You should use at least one black and white and one color image plus a logo of your creation. It can be hand generated and scanned or created digitally. Utilize an equal amount of text and imagery in your pages and develop a harmonious relationship between headline, image and body copy.</p>
Week 13	<p>Lecture:</p> <p>Assignment: <b>Final Project</b> -</p> <p>The final project will be an extensive project. You will be allowed at least two weeks. Find a friend who creates fine art or make one from the Art Department. Plan and complete a project with their help (no strict rules, but try to work as a team). The cutting edge of art in computer graphics does not depend solely on the computer or one program. Presentation, composition and subject matter are very important. Possible other media include: lithography, silk screen printing, drawing, painting with oil or acrylic, sculpture and others.</p>
Week 14	<b>Final Project</b> Work Day-
Week 15	<b>Final Critique</b> -
Week 16	<b>Final Grades</b> -

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#### **How To Use HTML 3**

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#### **HTML for Fun and Profit**

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#### **The Artist's Way: A Spiritual Path To Higher Creativity**

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#### **Computer Artist**

by Pennwell Publishing Company  
Subscription Service: P.O. 3188, Tulsa, OK 74101.  
Phone: (918) 831-9405/FAX: (918) 831-9555. (ISSN# 1063-312X)

#### **How**

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Subscription Service: P.O. 5250, Harlan, IA 51593-0750. Phone: (800) 333-1115. (ISSN# 0886-0483)

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## Electronic Imaging, Art 131

### Macintosh Commands Found In Most Applications

**FILE**  
**EDIT**  
**NEW**  
**UNDO**  
**OPEN**

**CUT**  
**CLOSE**  
**COPY**  
**SAVE**  
**PASTE**

**SAVE AS**  
**CLEAR**  
**PRINT**  
**SELECT ALL**

#### File Menu

New- Use this to create a new document . Can also create a new folder when in the finder.

Open- This will load an existing document or launch an application in the finder.

Close- Closes the document currently open or closes a window in the finder.

Save- Saves the current document or updates it if it was already saved.

Save As- Use to save a copy of the current document under a different name.

Print- Prints the document (can be used in the finder if document is selected).

#### Edit Menu

Undo- If available, this will undo the last action taken. Usually only the last action will be undone, so if you use this command twice, it redoes what was undone leaving you back to where you were before the undo command was selected.

Cut- Copies whatever is selected to the clipboard memory and then deletes it.

Copy- Copies what is selected (does not delete it).

Paste- Pastes whatever was last copied or cut (in word processing, this command pastes the contents of the clipboard starting at the blinking insertion point).

Clear- Deletes what is selected without copying it into clipboard memory.

Select All- Quickly selects everything in the active window (the active window is the window which was clicked in last).

#### If You Are Stuck

First, press on the application switching icon to see which program you are in. System 7's application switching icon is located in the top right corner of the screen. Remember, in System 7 it is possible to have several applications opened at the same time. Second, try saying to yourself what you want to do using words found in the file or edit menus.

##### Other Terms

CPU- Central Processing Unit (can be used to describe the computer without the monitor or keyboard).

RAM- Random Access Memory. This is CPU processing memory. Files (applications and documents) get loaded into RAM memory when they are opened.

Storage memory- this is most often floppy disks or hard disks. When a document is saved it is stored on a floppy disk or a hard disk drive.

Monitor or Display- This is the screen you see information on.

NASSAU COMMUNITY COLLEGE ART DEPARTMENT

# ARTFORUM

WRITE IN INK ONLY.

Name Mary Pericci

Semester Spring 06 Year 2006

1. This card will be stamped for scheduled Art Forum Events only.
2. This card WILL NOT be stamped for viewing art exhibits at the Firehouse Art Gallery
3. No matter how many art classes you are enrolled in, you are required to attend only **ONE** Art Forum for the semester.
4. Present this stamped card to your instructor(s) to fulfill the Art Forum requirement.
5. Club trips may be substituted for a scheduled Art Forum.

For Art Forum Info, call the  
Art Department Office at 516.572.7162

OFFICIAL STAMP APPEARS BELOW WHEN REQUIREMENT IS FULFILLED

**FIREHOUSE**

APR -- 2006

**GALLERY**