

The Art Institute of California

Course Syllabus

Course Number: FS122, section A

Course Title: Image Manipulation

Class Meetings: Monday 1-5

Session/Year: Winter 2006

Instructor Name: Nina Bellisio

Email Address: nina@bellisio.com

Website: <http://www.classes.ninabellisio.com>

Instructor Availability Outside of Class: Monday, 5-6 (310) and Friday, 5-6 (402)

Image Manipulation

Course Description:

Students develop basic image manipulation skills in a raster-based computer environment. Emphasis is placed on mastering the fundamentals of scanning, color management, photo retouching, imaging, special effects and filters and masks.

Course Length: 11 Weeks

Contact Hours: 44 Hours

Lecture: 22 Hours

Lab: 22 Hours

Credit Value: 3 Credits

Course Competencies:

Upon successful completion of this course, the student should be able to:

- *Apply principles of color theory*
 - Apply color theory in the scanning, manipulating, and outputting of imagery
 - Compare and contrast additive and subtractive color theory
 - Identify and define which color theories apply to different input/output devices
- Use and manage computer hardware peripherals for input, output, and storage
 - Operate different kinds of peripheral hardware, including printers, scanners, external drives, and Wacom tablets
- *Operate a personal computer using current operating system interfaces*
 - Correlate keyboard functions with menu operations
- *Use image manipulation software*
 - Manipulate layers, channels and paths
 - Describe and apply the major steps in the “imaging chain”
 - Use a digital camera to capture images for use in a raster-based computer application’
 - Produce B&W and/or color illustrations

- Use tools, menus, and keyboard commands to perform complex image selection techniques
- Control image characteristics (size, mode, dpi, etc.)
- Select/apply filters and layers using appropriate menus, tools, and commands
- Prepare imagery for proofing and/or final outputting at a service bureau or other supplier
- Save documents using the appropriate specialized file formats

Course Prerequisite(s): FS104 Computer Applications

Text(s): *Photoshop 7 Bible* by Deke McClelland (John Wiley & Sons ISBN: 076453694X, 2002) or *Photoshop 7 Visual Quickstart Guide* by Elaine Weinmann, Peter Lourekas (Peachpit Press ISBN: 0201882841, 2002) & class handouts

Materials and Supplies: Notebook, pencil, storage disk, money for color printing and mounting

Estimated Homework Hours: 4/ week

Technology Needed: Computer lab with image manipulation software and peripherals

Grading Scale:

A	100-93
A-	92-90
B+	89-87
B	86-83
B-	82-80
C+	79-77
C	76-73
C-	72-70
D+	69-67
D	66-65
F	64 or below

Process for Evaluation:

Class Exercises	20 points
Midterm	15 points
Final	15 points

Short Story Project (I)	15 points
Short Story Project (II)	10 points
Tabloid Project	25 points
Participation	1 point for every hour of class

TOTAL: 140 POINTS

Student Evaluation/Grading Policies:

- Points are deducted if projects are not **printed in color** and **mounted**.
- Remember: printing in the cage requires 24 HOUR advance notice and cannot be used as an excuse for a late project.
- Completion of thumbnail and notebook steps are part of the final project grade.
- Projects must be submitted both as printed and as digital files.
- All work must be received by the set deadlines, late work receives a grade of zero.
- On-time projects may be redone with instructor approval.
- Midterm and final quizzes CANNOT be made up and must be completed on the assigned day.
- There are no excused absences in this class.

You are responsible for finding out about and completing any class work missed due to absence. Class handouts and grades can be found at <http://classes.ninabellisio.com>

ABSOLUTELY NO WORK WILL BE ACCEPTED AFTER THE FINAL CLASS MEETS WEEK 11.

Classroom Policy:

- Cell phones must be turned off during class.
- Food and drink are not allowed in the classrooms and labs.
- Plagiarism of text or images, even if unintentional, results in a failure of the assignment.
- Break times are scheduled by the instructor at appropriate intervals.
- No private software is to be brought to lab or loaded onto school computers.
- No software games are allowed in lab (unless in course curriculum).
- Headphones are required if listening to music during lab. No headphones are allowed in lecture.

Any student who has special needs that may affect his or her performance in this class is asked to identify his/her needs to the instructor in private by the end of the first day of class. Any resulting class performance problems that may arise for those who do not identify their needs will not receive any special grading considerations.

Disability Policy Statement:

“It is not our policy to discriminate against qualified students with documented disabilities in our educational programs, activities, or services. If you have a disability-related need for adjustments or other accommodations in this class, contact the Disabilities Service Coordinator, MaryAnn Doan, at: (415) 276-1060 or see her in 609.”

Weekly Outline

Week One

lecture: Introduction to Photoshop, Selection Tools, Using a Digital Camera

lab: *Chess Piece Face*

Week Two NO CLASS

Week Three

lecture: Drawing Tools, Using Filters, Layers

lab: *Brushes and Filters*

assignment due: notebook: 3 thumbnails- proj. 1

Week Four

lecture: Scanning, Type and Quickmask

lab: *Type with Muscle*

assignment due: notebook: digital photographs

Week Five

SHORT STORY PROJECT (part 1) DUE

lecture: Liquify and Extract

lab: *Using Liquify and Extract*

Week Six

MIDTERM QUIZ

lecture: Pen Tool

lab: *How is the Pen Tool Like the Letter C?*

assignment due: notebook: reworked illustration

Week Seven

lecture: Stamp Tool and History Brush

lab: *Drag*

assignment due: notebook: text and title

Week Eight

SHORT STORY PROJECT (part 2) DUE

lecture: Color Correction and Levels

lab: *Color Correction*

Week Nine

lecture: Layer Effects, Channels

lab: *The Perfect Birth*

assignment due: notebook: manipulation #1

Week Ten

lecture: Masking, Curves

lab: *Sprinkler Fixer*

assignment due: notebook: manipulation #3

Week Eleven

FINAL QUIZ

TABLOID PROJECT DUE

Schedule Subject to change based on class need. Please contact the instructor and other classmates when absent to confirm assignments.