

OAKTON COMMUNITY COLLEGE  
GENERIC COURSE SYLLABUS

I.	<u>Course Prefix</u>	<u>Course Number</u>	<u>Course Name</u>	<u>Credit:</u>	<u>Lecture</u>	<u>Lab</u>
	GRD	116	Digital Imaging	3	2	2
	CAB	172	Using Photoshop			

II. Prerequisites:  
None

III. Course (catalog) Description:

Course covers fundamental principles of digital imaging using Photoshop. Topics include the production, manipulation and output of digital images, as well as the aesthetics of photographic image manipulation, both in relation to the student's work and from an historical perspective. Students learn to produce high quality images from stock imaging and scanning from film and flat art work.

IV. Learning Objectives:

- A. To understand the basic principles of resolution and output of digital imaging
- B. To understand the production of digital imaging
- C. To develop a basic understanding of the Photoshop software.
- D. To demonstrate the skill of manipulating digital imaging with Photoshop.
- E. To demonstrate the skills necessary for the production of photographic imaging from digitized or analog images.
- F. To understand the basic principles of aesthetic manipulation of imaging

V. Academic Integrity:

The very nature of higher education requires that students adhere to accepted standards of academic integrity. Therefore, Oakton Community College has adopted a Code of Academic Conduct and a Statement of Student Academic Integrity. These may be found in the Student Handbook. You may also find a summary of the Code of Academic Conduct in the College Catalog. Among the violations of academic integrity listed and defined are: cheating, plagiarism, falsification and fabrication, abuse of academic materials, complicity in academic dishonesty, falsification of records and official documents, personal misrepresentation and proxy, and bribes, favors and threats.

It is the student's responsibility to be aware of behaviors that constitute academic dishonesty.

Pursuant to the due process guarantees contained in the Policy and Procedures on Student Academic Integrity, the minimum punishment for the first offense for a student found in violation of the standards of academic integrity is failure in the assignment. In addition, a disciplinary record will be established and kept on file in the office of the Vice-President for Student Affairs for a period of 3 years.

VI. Outline of Topics:

- A. Basic Principles of Digital Imaging
  - 1. Pixel
  - 2. Raster
  - 3. Vector
  - 4. Bytes, kilobytes, megabytes
  - 5. Physical size
  - 6. File types
  - 7. Resolution
- B. Elements of Two-dimensional Design
  - 1. Tone
  - 2. Line
  - 3. Texture
  - 4. Shape
  - 5. Color theory
- C. Introduction to Photoshop
  - 1. Tools
  - 2. Windows
  - 3. Pull-down menus
- D. Scanning and Input, Output
  - 1. Film scanning
  - 2. Flat bed scanning
  - 3. Stylus and tablet
  - 4. Stock CD's
  - 5. Printing and files
- E. Organizing Pictures
  - 1. Proof sheets
  - 2. Sizing pictures
  - 3. Viewing thumbnails
- F. Layers and Masking in Photoshop
  - 1. Brushes
  - 2. Quick mask and masking
  - 3. Layers
- G. Density and Exposure

1. Levels and curves
  2. Methods of creating the perfect image
  3. Dodging and burning
  4. Sharpening
  5. Auto adjustments
- H. Color Adjustment
1. Color casts
  2. Color correction and methods of fixing color
  3. Auto adjustments
  4. Printing color and color management
- I. Repairing and Retouching
1. Desaturation and saturation of color
  2. The rubberstamp tool
  3. Using a gradient fill
  4. Removing wrinkles and spots
  5. Restoring damaged photographs
- J. Montage
1. Copy and paste/drag and drop
  2. Erasing part of an image
  3. Using a gradient clipping path

VII. Methods of Instruction:

This course will be taught using a combination of lectures and demonstrations. Software demonstrations will use the appropriate Graphic Design software.

VIII. Course Practices Required:

- A. Complete weekly assignments
- B. Participate in three informal critiques and a final critique with completed work
- C. Take quizzes and a final exam
- D. Prepare two notebooks as assigned

IX. Instructional Materials:

- A. Text for appropriate version of Photoshop
- B. Ink jet paper –Glossy surface
- C. Zip disk or CD-R

X. Methods of Evaluation:

## A. Grading Scale

The final grade will be based upon a point system that will equal 100. The total points that you will receive at the end of the semester will determine your grade. The grade will be based upon the percentage of earned points out of 100 points. The grading scale is as follows:

100-90 = A

89-80 = B

79-70 = C

69-60 = D

59 and below = F

## B. Points will be derived from the following course activities:

Three informal critiques, 10 points per critique	Total = 30
Two notebooks, 5 points per notebook	Total = 10
Three commentaries on critiques, 5 points per critique	Total = 15
Final Critique	= 10
Final Exam	= 35

## C. Assignments

Note: All assignments are due at the critiques as scheduled.

XI. Other Course Information:

Open lab hours at Oakton will be posted for students at the beginning of the course.

If you have a documented learning, psychological, or physical disability you may be entitled to reasonable academic accommodations or services. To request accommodations or services; contact the ASSIST office in the Learning Center. All students are expected to fulfill essential course requirements. The College will not waive any essential skill or requirement of a course or degree program.

Effective beginning term: Spring 2006 Ending term: \_\_\_\_\_

Syllabus prepared by: Berney Krule Date: August 2005

Revised by: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed by Chair: Berney Krule Date: August 2005

Approval by Dean: Linda A. Korbel Date August 2005