

OAKTON COMMUNITY COLLEGE
GENERIC SYLLABUS

<u>Prefix</u>	<u>Number</u>	<u>Name</u>	<u>Credit:</u>	<u>Lecture</u>	<u>Lab</u>
Art	216	Photographic Electronic Imagery	3	0	6

II. Prerequisites: ART 115 is recommended

III. Course (catalog) Description:

This is a survey course of the production of photographic images electronically. This course will cover the production, manipulation and output of photographic images electronically. The student will use photographs that will be digitized and put into a computer for manipulation. Output of images to paper prints will be the student's final objective. This course will cover the aesthetics of photographic image manipulation both in context to the student's work and from an historical perspective. Also the implication of photographic electronic imagery to legal, moral and social issues will be discussed and related to commercial and fine arts applications.

IV. Learning Objectives:

1. To understand the basic principles of resolution and output of electronic imagery
2. To understand the production of electronic images.
3. To demonstrate the skill of manipulating photographic images electronically through the use of software to meet aesthetic criteria.
4. To understand the principles of aesthetic manipulation relating to the student's work and to the history of manipulation.
5. To understand the moral, legal and social implications of photographic electronic imagery.
6. To demonstrate the skill of producing photographs from digitized images.

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 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:

- (I). THE COMPUTER
 - A. PLATFORMS AND ARCHITECTURE
 - B. FORMS OF MEASUREMENT
 - C. MEMORY
 - D. CPU AND SPEED MHZ
 - E. STORAGE
 - F. PORTS
 - G. MONITOR
 - H. RESOLUTION

- (II). PHOTOGRAPHIC PRINCIPLE
 - A. DENSITY AND CONTRAST
 - B. COLOR THEORY
 - 1. ADDITIVE
 - 2. SUBTRACTIVE

- (III). INPUT
 - A. CD-ROM
 - B. 35MM FILM SCANNERS
 - C. LEAF SCANNERS
 - E. ELECTRONIC CAMERAS AND VIDEO

- (IV). PROCESSING OF IMAGES
 - A. COLOR SELECTION
 - 1. HLS
 - 2. HSB
 - 3. CMYK
 - B. SELECTING AND MASKING
 - C. EDIT
 - 1. COPY AND PASTE
 - 2. CLONE
 - 3 ROTATE, SKEW, FLIP
 - 4. FILL AND UNDO
 - 5. RESOLUTION AND CHANGE
 - D. SPECIAL EFFECTS
 - 1. SMOOTHING
 - 2. SHARPENING
 - 3. SPATIAL EFFECTS
 - 4. NOISE, EMBOSS, MOTION BLUR, AND MOSAIC
 - E. RETOUCHING
 - 1. ERASE, SMUDGE, BLUR, SHARPEN
 - 2. PAINT AIRBUSH
 - 3. PENCIL
 - 4. TEXT
 - F. ENHANCING AND CORRECTING
 - H. COLOR SEPARATIONS AND PRINTING
 - 1. CALIBRATION
 - 2. HALFTONES-SCREEN ANGLE, DOT SHAPE
 - 3. PROCESS INKS

(IT SHOULD BE NOTED THAT THE CLASS WILL BE USING ALDUS "PHOTOSTYLER" AND THAT THIS PART OF THE OUTLINES IS RELATED TO THIS SOFTWARE)

- (V). OUTPUT OF IMAGES
 - A. LASER PRINTERS
 - B. THERMAL PRINTERS
 - C. FILM RECORDERS
 - D. DYE SUBLIMATION PRINTERS
 - E. COLOR COPIERS

- (VI). ELECTRONIC IMAGING AND THE PRINCIPLES OF PHOTOGRAPHIC COMPOSITION
 - A. FORM
 - 1. FIGURE GROUND RELATIONSHIPS

- 2. ORGANIC AND GEOMETRIC FORM
 - 3. SINGLE AND ,MULTIPLE FORM COMPOSITIONS
 - 4. REGULAR AND IRREGULAR FORMS
 - B. LINE
 - 1. LINE QUALITY
 - 2. HARD EDGE VERSES SOFT EDGE
 - 3. LINES IN PICTURE SPACE
 - 4. LINE AS EDGE
 - C. TONE
 - 1. SCALES
 - 2. HIGH CONTRAST AND LOW CONTRAST
 - 3. THE USE OF LIGHT AND DARK
 - D. TEXTURE
 - 1. EMOTIONAL RESPONSE TO TEXTURE
 - 2. VISUAL TEXTURES
 - 3. PATTERNS
 - E. VOLUME
 - 1. 3D VERSES 2D VOLUMES
 - 2. MASS AND SPACE RELATIONSHIPS
 - 3. SHADOWS AND NEGATIVE SPACE
 - F. FOCAL POINT AND DIFFERENCE
 - 1. TONE CONTRAST
 - 2. FORM AND SIZE CONTRAST
 - 3. TEXTURE CONTRAST
 - 4. CONTRAST OF MOOD
 - G. RHYTHM, BALANCE AND UNITY
- (I). AESTHETICS OF PHOTOGRAPHIC MANIPULATION
- A. COLLAGE AND MONTAGE
 - 1. KODALITH
 - 2. MASKING
 - B. RECONSTRUCTION OF TONES, FORM, TEXTURE AND COLOR
 - 1. POSTERIZATON
 - 2. TEXTURE SCREENS
 - 3. BAAS RELIEF
 - 4. TRANSFORMATION
 - C. OPTICAL DISTORTION
 - 1. LENSE DISTORTION
 - 2. SIZING DISTORTION
 - 3. PERSPARENCY
 - E. HISTORY OF MANIPULATION
 - 1. CLICHE-VERRE...CAROT
 - 2. ROMANTICISTS
 - a. CAMERON
 - b. REJLANDER
 - c. ROBINSON
 - 3. MAHOLY-NAGY AND THE BAUHAUS
 - 4. MAHOLY-NAGY AND THE BAUHAUS
 - 5. PHOTOGRAPHIC COLLAGE
 - 1. KURT KRANZ
 - 2. HERBERT BAYER
 - 6. MAN RAY
 - 7. FREDERICK SUMMER
 - 8. POP ART
 - a. WARHOL
 - b. RAUSCHENBERG
 - 9. SURREALISM
 - a. MAX ERNST
 - b. DUSCHAMP
 - 10. JERRY ULESMAN
- (VII). LEGAL, MORAL AND SOCIAL IMPLICATIONS OF ELECTRONIC IMAGING
- A. LEGAL SYSTEM
 - B. MODIFYING EXISTING IMAGES

- C. TRANSMISSION OF IMAGES
- D. PUBLICATION

VIII. Methods of Instruction:

This course will be presented using a combination of lectures, slide presentations and the use of the school's computer work stations.

IX. Course Practices Required:

1. Attend all critiques and quizzes as scheduled in the course calendar.
2. produce 10 mounted and finished images that are eight by ten in size
3. Finish a final exam.
4. Do all printing and shooting assignments

X. Instructional Materials

1. Mount board and Museum grade white 11 x 14 board for matting
2. Computer floppy disks
3. CD-ROM disk
4. Glossy ink jet paper and Epson 720 Ink Jet Paper

XI. Methods of Evaluation:

GRADING

The final grade will be based upon the following elements and their weights

1. Quizzes = 25%
2. Critiques = 25%
3. Final test = 25%
4. Final Critique = 25%

QUIZZES

Quizzes will be administered at the critiques. Each quiz will have multiple choice questions. There will be a total of fifty questions. Quizzes constitute 25% of the grade. There will be three quizzes.

CRITIQUES

The critiques offer the student the opportunity to show work in progress to the instructor and to the class. This allow each student to obtain feed back on the work presented. There will be four critiques including the final critiques. The three critiques constitute 25% of the grade and the final critique constitutes 25% of the grade.

XII. Other Course Information:

Attendance is required at all critiques and quizzes. Lab hours will be posted and free lab time will be supplied to the student.

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: Summer 2003

Ending term: _____

Syllabus prepared by: Bernard Krule

Date: March 1993

Reviewed by Chair: Jim Krause

Date: March 1993

Approval by Dean: Linda A. Korb

Date: March 1993

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