

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

X Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: GC 105 Layout for Offset Lithography

UNIT VALUE: 3.0

MINIMUM NUMBER OF SEMESTER HOURS: 96 hrs.

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

Planning and layout of visual communication for offset lithography. Basic computer applications for layout of business communication set or eight page booklet using type, color, images, paper, and the lithographical production processes to complete the package. Emphasis is on practical application.

SPECIFIC COURSE OBJECTIVES:

The successful student will be able to :

1. Identify types of copy.
2. Analyze and solve a basic visual communication problem.
3. Demonstrate understanding of the page layout computer applications.
4. Analyze type and images for level of communications.
5. Demonstrate appropriate image selection. .
6. Perform film assembly in two colors.
7. Demonstrate understanding of proofing materials.
8. Perform image carrier preparation.
9. Identify paper characteristics.
10. Demonstrate understanding of image production with lithographic process.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction of Lithography and Safety
 - A. Lab orientation
 - B. Safety test
- II. Job Planning
 - A. Thumbnails layout
 - B. Rough layout
- III. Computer Layout
 - A. Computer applications
 - B. Type usage
 - C. Graphic applications
 - D. Color use
 - E. Spot color separations
 - F. Image scanning
 - G. Image format
 - H. Image importing
 - I. Output devices
- IV. Film Assembly
 - A. Single color
 - B. Pin system
 - C. Multicolor
- V. Proofing
 - A. Montonal
 - B. Dylux
 - C. Color computer output
- VI. Platemaking
 - A. Types of plates
 - B. Exposure frame
 - C. Exposure control
 - D. Processing
 - E. Finishing
- VII. Offset Press Operation
 - A. Systems (5)
 - B. Make ready
 - C. Registration
 - D. Image control
- VIII. Bindery Procedures
 - A. Imposition
 - B. Cutting
 - C. Folding
- IX. Paper
 - A. Types
 - B. Finishes
 - C. Stock figuring

REQUIRED READING:

Williams, Robin. Design Workshop, Berkley, CA: Peachpit Press, 2001.

SUGGESTED READING:

International Paper Co., Pocket Pal, 18th edition, Memphis, TN, International Paper Co, 2001.

REQUIRED WRITING:

Three one page written assignments on objectives of communication, design principles, and lithographic technology.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Students are to read text, study lecture/lab notes, research and write required papers and complete lab assignments.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

- 50% - final presentation
- 20% - writing assignments
- 20% - assignments
- 10% - exams

100%-90%	A
89%-79%	B
78%-68%	C
67%-60%	D
59% -	F

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes X No _____ Number of times course may be taken for credit: 4

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

4 times

58161 (c)(2)(A)

CONTACT PERSON: Neil Bruington (x2151)

SIGNATURES ON FILE:
