GD 57 Course Outline as of Fall 2009

CATALOG INFORMATION

Dept and Nbr: GD 57   Title: DIGITAL PREPRESS
Full Title: Digital Prepress and Print Production
Last Reviewed: 9/14/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.50	17.5	Lecture Scheduled	43.75
Minimum	3.00	Lab Scheduled	1.50	4	Lab Scheduled	26.25
		Contact DHR	0		Contact DHR	0
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 87.50   Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable
Grading: Grade Only
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

Catalog Description:
A course designed to prepare the graphic design student for dealing with the prepress and print production process. The student will learn the skills needed to create accurate files for printing using a variety of processes as well as learn skills necessary to communicate and work with prepress vendors and printing firms.

Prerequisites/Corequisites:
Course Completion of APGR 52B and CS 70.11A (previously CIS 73.21)

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: A course designed to prepare the graphic design student for dealing with the prepress and print production process. The student will learn the skills needed to create accurate files for printing using a variety of processes as well as learn skills necessary to communicate and work with prepress vendors and printing firms. (Grade Only)
Prerequisites/Corequisites: Course Completion of APGR 52B and CS 70.11A (previously CIS

73.21)
Recommended:
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

		Effective:	Inactive:
AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:
CSU Transfer:	Transferable Effective: Fall 2009	Inactive:	Fall 2025
UC Transfer:	Effective:	Inactive:	

CID:

Certificate/Major Applicable:
Both Certificate and Major Applicable

COURSE CONTENT

Outcomes and Objectives:
Upon completion of the course, students will be able to:
1. Set up a workspace for printing production and prepress graphic design environment.
2. Choose appropriate printing processes.
3. Create professional color digital files ready for print using Indesign and Photoshop.
4. Analyze images for quality and calculate correct scanning resolutions using industry formulas.
5. Create files in Indesign and Illustrator with simple traps applied.
6. Identify, select and specify the most common types of folds, scores, perforations, and binding.
7. Identify the most common specialty processes: embossing, die cutting, foil stamping, screen printing, special coatings, metallic inks, thermography and be able to set up files correctly to produce these techniques.
8. Create correctly imposed files for offset printing in Indesign.
9. Separate files correctly.
10. Correctly preflight files for the prepress service printer.
11. Work with vendors effectively.
12. Evaluate project and select appropriate proofing method.
13. Perform a press check.

Topics and Scope:

1. Overview of the prepress and print production process
2. Set up for prepress and print production
    a. Equipment
    b. Work space
3. Evaluating various printing processes and their specific uses for printing

a. Two-color with duotones
b. Three and four color digital files
c. Spot color
d. Separations
4. Preparing digital print files using InDesign and PhotoShop
   a. Tone targeted images
   b. Line screens
   c. Dot shapes
   d. Screen angles
5. Analyzing images
   a. Quality
   b. Calculating correct scanning resolutions
   c. Retouching images
6. Understanding trapping
7. Identifying the most common
   a. Folds
   b. Scores
   c. Perforations
   d. Binding
8. Specifying processes correctly for the printer
9. Common specialty processes
   a. Embossing
   b. Die cutting
   c. Foil stamping
   d. Screen printing
   e. Special coatings
   f. Metallic inks
   g. Thermography
10. Setting up files to produce the above techniques
11. Using imposition for efficiency
12. Setting up files to
    a. Separate
    b. For preflight
13. Vendors
    a. Communication
    b. Preparing prepress forms
    c. Common proofing methods
    d. The successful press check

Assignment:

1. Ten to twelve graphic design project assignments focusing on the following prepress skills:
   a. tone targeting
   b. duotones
   c. color correction
   d. preflighting
   e. imposition
   f. trapping
   g. color separating
   h. setting up files for cutting, folding and binding
   i. setting up files for speciality processes
2. Eight to ten online quizzes over reading material

3. Group project: such as creating a playing card deck
4. Group project: such as an invitation and promotional materials for event
5. Final Exam

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course and this course includes essay exams that fulfil the writing component of the course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Group projects -	Problem solving 20 - 50%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Design project assignments - setting up files for printing	Skill Demonstrations 10 - 30%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes and final exam	Exams 30 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation in class critiquing and participating in the group projects	Other Category 10 - 20%

Representative Textbooks and Materials:
The Designer's Prepress Companion, by Jessica Berlin, Christina Kim and Jennifer Talcott, 2002.
Getting It Printed, by Eric Kenly M.S. and Mark Beach, Ph.D., 4th edition, 2006.