APGR 52C Course Outline as of Spring 2002

CATALOG INFORMATION

Dept and Nbr: APGR 52C Title: DIGITAL PREPRESS
Full Title: Digital Prepress: Computer Based Design 3
Last Reviewed: 3/4/2002

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	17.5	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:	APGR 58

Catalog Description:
A course designed to prepare the graphic design student for dealing with the prepress process. The student will learn the skills needed to create accurate film for offset printing as well as learn skills necessary to communicate and work with service bureaus and printing firms.

Prerequisites/Corequisites:
Course Completion of APGR 52B (or APGR 93) OR Course Completion of APGR 54.1 (or APGR 60)

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: An advanced level course designed to prepare the student to create accurate film for off-set printing using digital equipment and processes. (Grade Only)
Prerequisites/Corequisites: Course Completion of APGR 52B (or APGR 93) OR Course Completion of APGR 54.1 (or APGR 60)
Recommended:

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

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**			Effective:	Inactive:
CSU GE:	**Transfer Area**			Effective:	Inactive:
IGETC:	**Transfer Area**			Effective:	Inactive:
CSU Transfer:	Transferable	Effective:	Spring 1996	Inactive:	Spring 2011
UC Transfer:		Effective:		Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Upon successful completion of this course the student will be able to:
1. Create professional 2 color digital files to be run out to film at the service bureau, ready for offset printing.
2. Produce files containing correctly tone targeted images, simple traps, appropriate line screens, dot shapes, and correct screen angles.
3. Produce color corrected images.
4. Analyze photos for flaws and calculate correct scanning resolutions using industry formulas.
5. Calibrate monitor using the Color Sync software.
6. Correctly preflight files for the service bureau.
7. Prepare service bureau forms correctly to clarify job specifications.
8. Identify the four most common types of proofs used in offset printing.
9. Correctly specify spot color, duotones, process color, and special inks.
10. Separate files in Quark Xpress correctly for offset printing.
11. Create correctly imposed files for offset printing.
12. Outline the steps taken at a typical press check.
13. Determine copyright laws for design projects.
14. Identify the most common forms of binding.

Topics and Scope:

1. The Pre-press Process
2. Vendors, Hardware, and Software
3. Color: Three Views of Color, Color Space, Specifying Color
4. Color Calibration and Color Management in QuarkXpress and Photoshop
5. Digital File Formats
6. File Compression

7. Trapping, Bleeds and Crossovers Using Illustrator
8. Halftones: Dots, Screen Angles, Gradations
9. Scanning and Storage
10. Judging Originals and Digital Images
11. Resizing Bitmaps
12. Line Art and Greyscale Resolution Using Photoshop
13. Image Capture: Cameras and Scanners
14. The Electronic Darkrooms
15. Picture Elements
16. Linear and Nonlinear Tone Corrections Using Photoshop
17. Color Definitions
18. Sharpening Images in Photoshop
19. Histograms and Tone Curves in Photoshop:Black & White tone targeting
20. UCR and GCR
21. Density
22. Setting up for Output and Output Devices Using QuarkXpress and Illustrator
23. Proofing and Imagesetting
24. Imposition Using QuarkXpress
25. Presses
26. Printing and the Press Check
27. Copyright and Ethics
28. Finishing

Assignment:

Projects:
Student to complete to finished output:
1. Fictionary Book: Class Project
2. Promotion Calendar

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.	Writing 0 - 0%

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

Quizzes, Exams, PROJECTS	Problem solving 10 - 30%

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

PROJECTS	Skill Demonstrations 20 - 60%

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

Completion, IN-CLASS PRACTICUMS	Exams 30 - 50%

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

None	Other Category 0 - 0%

Representative Textbooks and Materials:
Instructor prepared handouts.