Student's Name/Initial:	/	Date:	Teacher's Initials:	Date:

Digital File Preparation and Output Course Codes for Graphic Communications program: 5205, 6200, 6201, 6202, and 6203

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Directions: Evaluate the student using the applicable rating scales below and check the appropriate box to indicate the degree of competency. The ratings 3, 2, 1, and N are not intended to represent the traditional school grading system of A, B, C, and D. The description associated with each of the ratings focuses on the level of student performance or cognition for each of the competencies listed below.

PERFORMANCE RATING

- 3 Skilled--can perform task independently with no supervision
- 2 Moderately skilled--can perform task completely with limited supervision
- 1 Limitedly skilled--requires instruction and close supervision
- N No exposure--has no experience or knowledge of this task

Explain the use of points and picas as

measurement increments.

COGNITIVE RATING

- 3 Knowledgeable--can apply the concept to solve problems
- 2 Moderately knowledgeable--understands the concept
- 1 Limitedly knowledgeable--requires additional instruction
- N No exposure--has not received instruction in this area

A.	TYPE			7.	Identify the physical characteristics of	12.	Assess the effectiveness of a
3	2 1	N			type:		communication piece using different
_		1. 2.	Discuss the role of type as a design element in graphic communications. Compare the physical characteristics of		a. X-height,b. mean-line,c. baseline,	B. PAGE LAYOL	applications of type.
_		3.	basic type classifications: a. serif and b. sans serif. Identify the physical characteristics of		d. ascender,e. descender,f. leading (spacing),g. tracking, andh. kerning.	3 2 1 N 13.	Review professional Page Layout software applications: a. Adobe InDesign,
			type classifications: a. bold, b. italic, and c. Roman.	8.	Compare display (headline) type and body (text) type by their point sizes and type styles.	14.	b. QuarkXPress, andc. Microsoft Publisher.Review office/home-based software applications:
_		4.	Identify the physical characteristics of typographic characters: a. uppercase, b. lowercase, c. small caps, d. ligatures, e. glyphs, f. subscript, and		Recognize text alignment: a. flush left, b. flush right, c. center, and d. justify. Compare the differences of typeface technologies: a. TrueType,	15.	 a. Microsoft Office (Word and PowerPoint) and b. Google Docs. Demonstrate use of computer menus, shortcut keys, and panels in an instructor specified page layout software.
_		5.	g. superscript. Identify typographic ems and ens and their associated dashes	11.	b. PostScript Type 1, andc. OpenType.Describe font substitution when		

outputting a printed page.

16.	Create a multi-page document using:	30.	Create a multiple page document using	45.	Compare examples of various graphic
	a. number of pages,		master pages, automatic folios, and		file formats and their extensions:
	b. facing pages,		styles (character, paragraph, and object		 a. TIFF (Tagged Image File
	c. page size and orientation,		styles), masthead, and graphics.		Format),
	d. columns,	31.	Describe the use of a table in a page		b. EPS (Encapsulated PostScript),
	e. margins,		layout software.		c. BMP (Bitmap),
	f. bleeds, and	32.	Create a document that includes tables.		d. PSD (Native Adobe
	g. slugs.	33.	Explain the use of a graphic box in a		PhotoShop),
17.	Utilize page layout software to place		page layout software.		e. JPG (Joint Photographic
	text from a word processed file into a	34.	Explain the use of color tint fills.		Experts Guild), and
	multi-page document.	35.	Create a document using an instructor		f. AI (Native Adobe Illustrator.
18.	Demonstrate the use of a digital		specified color tint fill.	46.	Explain pixels per inch resolution
	dictionary and spell checker.	36.	Plan the steps of preflighting, proofing		(display).
19.	Demonstrate changing type attributes		(hard and soft), packaging all files, and	47.	Explain dots per inch (output device
	using:		creating an output-appropriate PDF.		resolution).
	a. font,	37.	Define variable data printing.	48.	Explain lines per inch resolution
	b. size,	38.			(halftone).
	c. style, and		printing project.	49.	Discuss minimum resolution
	d. color.	39.	Create a flat database with 3 categories		requirements for different reproduction
20.	Demonstrate changing type alignment		in a spreadsheet application for use in a		devices:
	attributes:		variable data project.		a. screen display,
	a. flush left,	40.	Design a document that has variable		b. digital press,
	b. flush right,		data fields for text and pictures using		c. offset press, and
	c. center,		page layout software with variable data		d. wide format inkjet press.
	d. justify, and		capabilities.	50.	Identify potential quality issues of
	e. justify, and e. justification (top, center, and	41.	Produce a variable data printing job on		improper relationships of pixels per inch
	bottom justified).		a digital press or production printer.		(PPI), dots per inch (DPI), and lines per
21.	Demonstrate instructor specified		a digital press of production printer.		inch (LPI) on final output quality.
— — — — ^{21.}	paragraph formatting to text:	C IMAGE CAD	TUBE AND EDITING	51.	Describe color bit depth.
			TURE AND EDITING		·
		3 2 1 N			files of line art and continuous tone
	hanging),	42.	Review professional image editing		
	b. spaces before and after,		software applications:	Γĵ	images using a scanner.
	c. line spacing,		a. Adobe Photoshop.	53.	Describe various camera components
	d. drop caps,	43.	Demonstrate use of computer menus,		and settings used while capturing
	e. tabs, and		shortcut keys, and panels in image		images:
	f. object alignment and		editing software.		a. aperture,
22	distribution.	44.	Identify different types of graphics:		b. shutter speed,
22.	Describe page break.		a. line art,		c. image resolution, and
23.	Describe widow and orphan formatting.		b. vector,	F.4	d. white balance.
24.	Demonstrate line break formatting		c. raster, and	54.	0 0
	including hyphenation and widow and		d. continuous tone.		photography web site; resize and
	orphan control.				resample according to specifications.
25.	1 1 1 3			55.	Discuss RGB (red, green, and blue)
	including hyphenation, widows and				additive color model.
	orphans in an instructor specified page.			56.	Discuss CMYK (cyan, magenta, yellow,
26.	Describe master pages.				and black) subtractive color model.
27.	Explain automatic folio numbering.			57.	Discuss spot color model (pantone).
28.	Explain the purpose of style sheets.				
29.	Identify masthead (header and footer).				

<u> </u>	Describe the use of layers, selections	E. PDF		95.	Identify imposition styles:
	and channels in an image editing	3 2 1 N			a. sheetwise,
	software program.	78.	Discuss the Adobe Portable Document		b. work and turn,
59.	Use layers, selections and channels to		Format (PDF).		c. work and tumble,
	edit a color photograph in an image	79.	Determine the benefits of using a PDF		d. multiple up, and
	editing software program.		format within the graphic		e. perfecting.
60.	Describe image cloning.		communications industry.	96.	Demonstrate how to impose an
61.	Use an image editing software program	80.	Evaluate various methods to create PDF		electronic file using digital imposition
	to perform image cloning.		files.		software.
62.	Describe unsharp masking.	81.	Discuss PDF/x standards.	97.	Describe a folding dummy for print.
63.	Use an image editing software program			98.	Create a folding dummy for a 16-page
	to perform varying degrees of unsharp		standards.		job with proper pagination, fold, and
	masking.	83.	Describe appropriate PDF creation		guide marks.
64.	Review capabilities of adjusting contrast		settings:		
	(tone reproduction) in an image editing		a. resolution,	G. COLOR MAN	AGEMENT
	software program.		b. page size, and	3 2 1 N	
65.	Use an image editing software program		c. fonts inclusion.	99.	Discuss the role of color management
	to perform contrast adjustments (tone	84.	Demonstrate how to make changes to		in a print workflow.
	reproduction) on a color image.		an existing PDF file.	100.	Describe color management
66.					techniques used in different steps of a
	balance (gray balance) in an image	F. PREPRESS			print workflow:
	editing software program.	3 2 1 N			a. monitor,
67.		3 Z I N 85.	Describe a job ticket/docket.		b. proofer,
	to perform color balance (gray balance)	85.			c. digital press,
	adjustments on a color image.		ticket/docket.		d. offset press, and
68.		07	Discuss the steps of preflighting a print		e. wide format inkjet press.
	recognition (OCR).	87.	file.	101.	
69.		88.	Identify common quality issues that are		devices used in a print workflow:
	software to capture printed text.		found during preflight process.		a. monitor,
		89.			b. proofer,
D. ILLUSTRATIO	ON	— — — — ₀₃ .	quality issues.		c. digital press,
3 2 1 N		90.	Perform a preflight of a PDF file using a		d. offset press, and
70.	Review the capabilities of professional		manual checklist.		e. wide format inkjet press.
	illustration software applications:	91.	Perform corrections to problems found	102.	
	a. Adobe Illustrator.	— — — — ^{31.}	during preflight process:		Consortium (ICC) profile.
71.	Demonstrate the use of computer		a. page size incorrect,	103.	Explain the use of an ICC profile in a
	menus, shortcut keys, and panels in		b. font substitution, and		print workflow.
	illustration software.		c. bleeds missing.	104.	Create ICC color profiles.
72.		92.	Discuss the use of trapping an image for		Describe conversion limitations of red,
	and a vector graphic.	— — — — ^{32.}			green, blue (RGB) color model to cyan,
73.		02	print. Describe software options for creating		magenta, yellow, black (CMYK) color
	Create a single color vector graphic. Create a vector graphic to include tints,	— — — — ^{93.}	-		model.
	fills, strokes, and color.	0.4	traps.	106.	Demonstrate conversion of an RGB
75.	Create a vector graphic using	<u> </u>	Choose the proper amount of trap to		image to CMYK using ICC profiles in an
/ ^{3.}	manipulated type.		apply to a digitally created page using		image editing software.
76.	Convert a bitmap image to a vector.		page layout, illustration, and/or	107.	Describe undercolor removal (UCR).
	Edit an existing piece of vector art.		trapping software.		Demonstrate the use of proper
	Luit an existing piece of vector art.			108.	settings for undercolor removal (UCR)
					in an image editing software.
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109.	Describe Gray Component Replacement (GCR).	126.	Use metadata for digital asset management.	142.	Review safety considerations when using computer-to-plate, digital
110.	Demonstrate the use of proper				production printer or digital press.
	settings for Gray Component	I. DIGITAL FILE C	DUTPUT	143.	
	Replacement (GCR) in an image editing	3 2 1 N			Describe industry workflow
	software.		Describe a Raster Image Processor		automation guidelines:
111.	Define proofing:		(RIP).		a. International Cooperation for
	a. hard and	128.	Identify the features and functions of a		Integration of Processes in
	b. soft.		Raster Image Processor (RIP).		Prepress, Press, and Postpress
112.	Create proof using an appropriate ICC	129.	Compare direct to plate versus direct		(CIP4) and
	profile and explain why profile is used.		to press.		b. Job Definition Format (JDF).
113.	Demonstrate calibration of a color	130.	Describe the characteristics of plate	145.	Describe print industry specifications:
	monitor to manufacturer's		material for offset printing:		a. Web Offset Publications
	specifications.		a. paper,		(SWOP),
114.	Demonstrate calibration of a color		b. plastic, and		b. Specifications for Newsprint
	proofer to manufacturer's		c. metal.		Advertising Production
	specifications.	131.	Describe the capabilities, specifications		(SNAP),
			and functions of a platesetter.		c. General Requirements for
H. FILE SYSTEMS	AND FILE MANAGEMENT	132.	and the second s		Applications in Commercial
3 2 1 N			platesetter to manufacturer's		Offset Lithography (GRACoL),
115.	Describe computer networking within		specifications.		and
	a work environment.	133.	Create a flowchart of workflow steps		d. Flexographic Image
116.	Demonstrate transfer of files within a		when outputting to offset press.		Reproduction Specifications
	network.	134.	Create a flowchart of workflow steps		and Tolerances (FIRST).
	Describe font management		the second second second		
117.	Describe fort management		when outputting to digital press.		
	procedures on a computer	135.	when outputting to digital press. Describe print queue.	J. MATH AND M	EASUREMENT
117.		135. 136.		J. MATH AND M 3 2 1 N	EASUREMENT
117.	procedures on a computer		Describe print queue.	3 2 1 N	EASUREMENT Measure a Helvetica typeface in points
	procedures on a computer workstation.		Describe print queue. Explain how print queues can be optimized by a digital press operator.	3 2 1 N	
	procedures on a computer workstation. Discuss procedures for organizing and	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator.	3 2 1 N	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—
118.	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation.	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks:	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools.
118.	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation. Demonstrate font management	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks: a. register marks,	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—
118.	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation. Demonstrate font management procedures on a computer	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks: a. register marks, b. trim marks,	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—two and three digits.
	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation. Demonstrate font management procedures on a computer workstation.	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks: a. register marks, b. trim marks, c. fold lines, d. color bars, and e. plate control.	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—two and three digits. • Convert 30 inch length to
118119120.	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation. Demonstrate font management procedures on a computer workstation. Demonstrate a file back up. Discuss disaster recovery file back up options.	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks: a. register marks, b. trim marks, c. fold lines, d. color bars, and e. plate control. Explain tone value increase (TVI) and	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—two and three digits. • Convert 30 inch length to Points.
118119120.	procedures on a computer workstation. Discuss procedures for organizing and managing fonts on a workstation. Demonstrate font management procedures on a computer workstation. Demonstrate a file back up. Discuss disaster recovery file back up options. Describe file storage/transfer devices:	136.	Describe print queue. Explain how print queues can be optimized by a digital press operator. Identify quality control marks: a. register marks, b. trim marks, c. fold lines, d. color bars, and e. plate control. Explain tone value increase (TVI) and its impact on printed materials.	3 2 1 N 146.	Measure a Helvetica typeface in points using the appropriate measuring tools. Solve division of decimal problems—two and three digits. • Convert 30 inch length to Points. • Calculate monthly cost of
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