

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: GAT-260 Department: Graphic Arts Technology

Course Title: Digital Press Production Semester: Fall Year: 2016

Objectives/Competencies

Course Objective	Competencies
1. Digital versus traditional printing	<ol style="list-style-type: none">1. Asses the quality differences of toner or inkjet ink versus offset ink.2. Estimate the acquisition and running cost of digital, offset and ink jet equipment.3. List manpower skill requirements of operating a digital versus offset press.4. Contrast the environmental impact of operating a digital versus offset equipment.
2. How to use RIP (Raster Image Processor)	<ol style="list-style-type: none">1. Discuss the purpose of a RIP (Raster Image Processor)2. Illustrate a flowchart of steps on how a RIP prepares a file for printing.3. Identify features and functions of a RIP

Course Objective	Competencies
<p>1. How to Handling Paper</p>	<ol style="list-style-type: none"> 1. Describe sheet fed paper transport of a digital press. 2. Contrast friction feed versus vacuum feed. 3. Describe roll fed paper transport of a digital press. 4. Compare sheet fed versus roll fed paper transport systems. 5. Describe duplexing of a sheet.
<p>2. How to do the Finishing</p>	<ol style="list-style-type: none"> 1. Identify common finishing capabilities built into digital printer 2. Utilize built in finishing capabilities 3. Identify common in-line finishing operation available. 4. Utilize in-line finishing capabilities.
<p>3. How to do Variable Data Printing</p>	<ol style="list-style-type: none"> 1. Define variable data printing 2. Evaluate the benefits of using variable data printing. 3. Explain reason why customer would use variable data printing. 4. Create and print a variable data printed piece using name and address information.

Course Objective	Competencies
1. How to deal with financial part for digital printing.	<ol style="list-style-type: none">1. Explain why digital printing is less expensive when low quantities are required.2. Identify the costs of a digital print operation.3. Estimate a printed project.4. Review estimating procedures of digital printing.5. Develop a typical estimate for several different types of projects.