



South Central College

GCC 1260 Printing Processes

Course Outcome Summary

Course Information

Description	This course is designed to acquaint the learner with the fundamentals of printing ink on various substrates. Coursework includes terminology, equipment and safety. The principles of offset lithography, screen, laser and inkjet printing are stressed in a hands-on laboratory atmosphere. Basic prep and post-press processes are also stressed in this course. (Prerequisites: GCC 1120 Graphic Software 1 and GCC 1130 Layout and Typography)
Total Credits	4
Total Hours	112

Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/16
Lab	3/96

Pre/Corequisites

GCC 1120 Graphic Software 1 and GCC 1130 Layout and Typography

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Prepare digital layouts for print.

Learning Objectives

Create professional-looking layouts for print outputs.
Use page layout, vector, and raster softwares.
Mix text, graphics, and photographs within layouts.

2. Compare various substrates and media for printing.

Learning Objectives

Differentiate among the various substrate classifications.
Select various substrates used for various outputs.
Prepare various substrates for printing.

3. Discover the various printing processes within the industry.

Learning Objectives

Summarize the fundamentals of offset printing.
Summarize the fundamentals of screen printing.
Summarize the fundamentals of digital printing.
Summarize the fundamentals of relief printing.
Summarize the fundamentals of intaglio printing.
Summarize the fundamentals of laser and inkjet printing.

4. Recognize components of printing equipment.

5. Perform proofing and plating outputs.

Learning Objectives

Create various files for outputting.
Perform file management functions on servers and within workflow software.
Operate color proofing devices.
Operate high-end plating equipment.

6. Operate various printing equipment.

Learning Objectives

Perform offset press operations.
Perform screen printing operations.
Perform pad printing operations.
Perform laser and inkjet printing operations.

7. Interpret the bindery and finishing functions.

Learning Objectives

Explain the importance of the bindery/finishing processes.
Differentiate among the various pieces of equipment within a bindery/finishing department.

8. Operate various bindery and finishing equipment.

Learning Objectives

Utilize various bindery/finishing equipment.
Work in a safe manner with bindery/finishing equipment.

9. Perform maintenance on equipment.

Learning Objectives

Demonstrate maintenance on press equipment.
Demonstrate maintenance on inkjet equipment.
Demonstrate maintenance on bindery equipment.

10. Discover emerging trends in the printing and finishing portion of the industry.

Learning Objectives

Scan for new technology within the industry.
Report on emerging trends within the industry.

11. Interpret various color models used within the industry.

Learning Objectives

Differentiate among the various color models.
Perform color calibrations with output devices.
Operate color measuring equipment.

12. Demonstrate safe work habits.

Learning Objectives

Operate all equipment in a safe manner at all times.

Maintain a clean work area for a safe and professional environment.
Stay updated with Right-to-Know, OSHA, EPA and other safety/environmental/legal information.

13. Demonstrate teamwork attributes while working within the labs.

Learning Objectives

Communicate with peers on partner/team projects.
Assist peers to solve issues and problems.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

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