

SYLLABUS

DIVISION: Business and Engineering Technology

REVISED: Spring 2014

CURRICULA IN WHICH COURSE IS TAUGHT: Graphic Imaging Technology

COURSE NUMBER AND TITLE: PNT 252, Offset Press Operation II

CREDIT HOURS: 4 HOURS/WK LEC: 3 HOURS/WK LAB: 3 LEC/LAB COMB: 6

I. CATALOG DESCRIPTION:

PNT 252 – Offset Press Operation II (4cr) Explains procedures for practical operations of offset equipment including adjustment, setup, make-ready, and impositions for single-color and multicolor production jobs. Studies feeder registration, printing and delivery systems, rollers and blanket problems, ink and dampening problems, and quality control

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES:

1. Demonstrate technical and skill competencies in the area of lithography to complete laboratory projects
 - Demonstrate proper feeder and delivery operation.
 - Demonstrate proper ink and water fountain setup and operation.
 - Demonstrate how to set and check proper printing pressures.
2. Demonstrate technical and skill competencies in color separation procedures.
 - Create color separation onto four plates.
 - Run and register color separation on printing press.

III. REQUIRED BACKGROUND/PREREQUISITIES:

PNT 251 or department approval

IV. COURSE CONTENT:

1. Introduction to press maintenance
 - a. Blankets
 - b. Cylinders
 - c. Rollers
 - d. Feed and delivery controls
2. Multicolor setup and make-ready
3. Production of uniform quality
4. Paper problems
5. Ink and water problems
6. Plate problems

V. THE FOLLOWING GENERAL EDUCATION OBJECTIVES WILL BE ADDRESSED IN THIS COURSE (Place X by all that apply)

<input checked="" type="checkbox"/>	Communications	<input type="checkbox"/>	Personal Development
<input checked="" type="checkbox"/>	Critical Thinking	<input checked="" type="checkbox"/>	Quantitative Reasoning
<input type="checkbox"/>	Cultural & Social Understanding	<input checked="" type="checkbox"/>	Scientific Reasoning
<input checked="" type="checkbox"/>	Information Literacy		

VI. LEARNER OUTCOMES**VII. EVALUATION**

1. Identify press maintenance problems and prescribe corrections.	Lab exercises Written test Instructor evaluation
2. Prepare a checklist of items involved in multicolor setup.	Lab exercises Written test Instructor evaluation
3. List operations for producing uniform quality on press	Lab exercises Written test Instructor evaluation
4. Identify paper problems and list possible causes and cures.	Lab exercises Written test Instructor evaluation
5. Identify ink and water problems, list possible causes and cures.	Lab exercises Written test Instructor evaluation
6. Identify plate problems and list possible causes and cures	Lab exercises Written test Instructor evaluation