

SYLLABUS

DIVISION: Business and Engineering Technology

REVISED: Spring 2014

CURRICULA IN WHICH COURSE IS TAUGHT: Graphic Imaging Technology

COURSE NUMBER AND TITLE: PNT 132, Principles of Lithography II

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

I. CATALOG DESCRIPTION:

PNT 132 – Principles of Lithography II (4 cr.) Studies lithographic process including more complex types of production techniques and operations. Covers close register work, 2-color printing, types of impositions, ruled forms, scribing, stripping multiple page flats.

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES:

1. Demonstrate technical and skill competencies in the area of lithography to complete laboratory projects.
2. Demonstrate technical and skill competencies in the finishing and bindery operations of printed pieces.

III. REQUIRED BACKGROUND/PREREQUISITIES:

PNT 131 or department approval

IV. COURSE CONTENT:

Job planning & layout.	Paper
Offset press operation	Finishing procedures
Offset inks	Bindery operation
Platemaking	

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. Create two color project utilizing job planning and layout skills. Then complete project by printing with a printing press.	Lab exercises Instructor evaluation
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2. Create printing plate using both conventional and digital methods.

Lab exercises
Instructor evaluation

3. Identify ink ingredients, ink properties, ink types and specialized inks.	Lab exercises Written test
4. Identify paper classifications, paper characteristics and paper qualities.	Lab exercises Written test
5. Identify and perform finishing operations	Lab exercises Written test
6. Identify and perform binding operations	Lab exercises Written test