

SYLLABUS

DIVISION: Business and Engineering Technology

REVISED: Spring 2014

CURRICULA IN WHICH COURSE IS TAUGHT: Graphic Imaging Technology

COURSE NUMBER AND TITLE: PNT 245, Production Planning & Estimating

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

I. CATALOG DESCRIPTION:

PNT 245 – Production Planning and Estimating (4 cr.) Teaches theory and gives experience in planning and quality control for printing production. Includes printing plant supervision and management techniques, organization, maintenance and inventory control systems. Discusses estimating for printing, including job layout, purchasing, pricing and trade customs.

II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES:

1. Demonstrate an understanding of production planning and estimating as it relates to the printing industry.
2. Demonstrate and understanding of the economics of printing techniques and materials.

III. REQUIRED BACKGROUND/PREREQUISITIES:

PNT 260 & PNT 130 or department approval

IV. COURSE CONTENT:

Scope and function of Print Estimating
List of abbreviations used in the printing industry
Computers for production and management in the printing industry
Developing a cost estimating system
Price Estimating in the Printing Industry
Estimating Paper
Estimating Ink
Estimating post-press production
What it's like being your own boss

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 type="checkbox"/>	Scientific Reasoning
<input checked="" type="checkbox"/>	Information Literacy		

<p>Perform an estimate for Ink cost Ink Mileage schedule Variables when estimating ink consumption Estimating lithographic ink quantity Estimating the cost of ink</p>	<p>Lab exercises Written test</p>
<p>Estimate cost of post press production Cutting and trimming production Folding production Finishing and Binding Other post press production operations to consider</p>	<p>Lab exercises Written test</p>
<p>Know what it's like being your own boss Draw an organization Charts Develop a workflow Design a business layout</p>	<p>Lab exercises Written test</p>