WILLIAM RAINEY HARPER COLLEGE
TECHNOLOGY, MATHEMATICS & SCIENCE DIVISION
GENERAL COURSE OUTLINE

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<th>GRA 212</th>
<th>Paper and Ink Technology</th>
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<td>Course</td>
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<td>Lec-Lab</td>
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<td>Prefix</td>
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COURSE DESCRIPTION
Analyzes the importance of paper and ink within the graphic arts industry. Focuses on paper runnability and its characteristics. Explores ink components, testing and troubleshooting. Surveys color reproduction from color theory to color management.

Prerequisite: GRA 101 with a grade of C or better or consent of instructor.

TOPICAL OUTLINE
I. Paper manufacturing
II. Sheet and web runnability
III. Paper and grade specifications
IV. Paper make-ups
V. Ink types
VI. Ink formulation
VII. Testing and buying of ink

METHOD OF PRESENTATION
1. Lecture and press demonstration
2. In-class lab work
3. Problem solving and discussion

STUDENT OUTCOMES (The student should be able to …)
1. understand essentials of paper and ink manufacturing.
2. recognize causes and solutions of common paper and ink problems.
3. choose correct printing inks and paper for specific customer applications.
4. choose correct ink and paper for specific printing processes.

METHOD OF EVALUATION
1. Lab assignments
2. Paper and ink related to industry topic
3. Tests and quizzes
4. Projects and Presentations

TEXTBOOK
Wilson, Lawrence, Paper Buying Primer. GATF Press

Prepared by: Patty Bruner
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