



ERIE COMMUNITY COLLEGE SOUTH CAMPUS

Visual Communications Technology Graphic Arts and Printing

Course Title and Number	Advanced Press / Bindery GA 123
Curriculum	Visual Communications Graphic Arts and Printing
Number of Class Periods	1 - hour lecture per week for 15 weeks
Suggested Text	<p><u>Graphic Communications -The Printed Image</u> By Z.A. Prust, 2003 edition, Goodheart – Willcox Co.</p> <p><u>Graphic Communications -The Printed Image Workbook</u> By Z.A. Prust, 2003 edition, Goodheart – Willcox Co. (Note the same text book and workbook that was used for GA104)</p>
Prepared by:	<p>Glen Swyers GAP Office Room 2101c 851-1751 (Secretary) swyers@ecc.edu email</p>
Memo:	<p>If you have a physical or mental impairment, which will impact your ability to participate in this class, you are encouraged to contact the Disabled Student Services office listed below as soon as possible. The counselor will provide you with information which you will share with your instructor and which will allow appropriate course adjustments to be made.</p> <p>City Campus: room 130, phone number 851-1189, Steve Wixon North Campus: room S217, phone number 851-1495, Heather Hewson South Campus: room 5211, phone number 851-1933, Fran Moyer</p>
Policies:	<p>Absences from Class – Students who anticipate an absence should contact the instructor in advance. In the case of an unexpected absence, students should speak to the instructor as soon as they return to campus or during their absence. Of course, in either case, the anticipated or the unanticipated absence, the student is responsible for all material covered. As required by law, instructors are responsible for keeping accurate attendance records. The student is responsible to sign the attendance roster at the beginning of each class. Excessive absences will result in an automatic grade of F for the class.</p> <p>Computers – Computer use is not allowed during lecture time.</p> <p>Cell Phone – Cell phones must be silent and stored during class. No SMS</p> <p>Additional policies – All current and posted policies of the GAP program will be followed.</p>

<p>Program Competencies:</p>	<ol style="list-style-type: none"> 1. Identify various printing processes and understand lithographic principles and techniques (objectives 2,3,4,5,7,8,9,10) 2. Be able to apply methods used to measure quantities and thickness of paper and determine number of cuts derived from mill sheets while taking into consideration "grain direction". (Objectives 4,8,9) 3. Understand the principles of multiple color printing. (Objectives 3,5,9) 4. Describe and identify various substrates used in printing and their relationships to ink and press operation. (Objectives 3,5,8,9) 5. Review of safety and health concerns in the press lab and industry. (Objective 2) 6. Understand the basic management functions involved in a Printing Company. (Objectives 1,6) 7. Review press operations and procedures. (Objective 5) 8. Review finishing and bindery functions. (Objective 10)
<p>Evaluation</p>	<p>There will be two exams, six chapter tests, one paper, daily projects and discussions. Final grades will be based on the following:</p> <ol style="list-style-type: none"> 1. Attendance 30% 2. Research Paper 5% 3. Chapter Tests 25 4. Mid-term Exam 15% 5. Final Exam 25 % <p>Daily projects / discussions will be factored into your over all grade.</p>
<p>General Education Competencies:</p>	<ol style="list-style-type: none"> 1. To apply appropriate mathematical procedures and quantitative methods (objectives 2,3,4,8,9) 2. To identify and logically analyze problems and issues and to propose and evaluate solutions. (Objectives 3,5,9,10) 3. To demonstrate a historical perspective and an awareness of traditions and cultures. (Objectives 1,6) 4. To form reasoned valued judgments. (Objectives 2,5,6) 5. To exhibit the research skills necessary for lifelong learning. (Objectives 1,6) 6. To demonstrate a knowledge of the process of science and its products outcome. (Objectives 2,3,5,7,8,9) 7. To explain the process of technological change and the impact of that change on the individual, the culture, and the environment. (Objectives 1,2,3,5,7,8) 8. To demonstrate awareness of the interdisciplinary nature of knowledge. (Objectives 1,2,3,4,6)
<p>Catalog Description:</p>	<p>A continuation of the theory of operating lithographic sheet-fed presses including make ready, feeder, and delivery procedures. Concepts of plate and blanket handling, ph factors, dampening/ink systems, registering and fitting, paper considerations and press problem solving for quality control will be covered. The comparison of various other printing processes will be included along with safety considerations.</p>
<p>Related Library Projects</p>	<p>There will be one research paper due the beginning of class week 10. It must be typed on standards paper with the following margins: left and top 1-½ inches, right and bottom – 1 inch. It must be double spaced and typed on one side of the page only. Name, date, and course number go in the upper left had corner. Skip extra space between the title and the body of the paper. Every page except the first must be numbered. Grades will be lower two marks for late papers. Research paper must follow current MLA format. All work must be completed by week 12.</p>



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Graphic Arts and Printing

GA 123 5B – Advanced Press / Bindery Spring 2007

Week 1	01/23/07	Course Introduction - Review of Safety & Health -
Week 2	01/30/07	Press Trouble Shooting (Chap 19)
Week 3	02/06/07	Difference between a Press and duplicator (Packing)
	02/13/07	Holiday
Week 4	02/20/07	Advance Safety – OSHA and the pressroom
Week 5	02/27/07	Ink Technology part 1 (Chap 25)
Week 6	03/06/07	Ink Technology part 2
Week 7	03/13/07	Mid Term Assessment
Week 8	03/20/07	The Chemistry of Printing part 1
Week 9	03/27/07	The Chemistry of Printing part 2 - Review of Measurements
Week 10	04/03/07	Lithographic Press, Flex, Gravure (Chap 21,22)
	04/10/07	Holiday
Week 11	04/17/07	Substrates - Trade Terms
Week 12	04/24/07	Bindery and Finishing - Grain Direction (Chap 26)
Week 13	05/01/07	Bindery and Finishing - Business of Printing
Week 14	05/08/07	Graphic Communications Careers (Chap 28)
Week 15	05/15/07	Review & Assessment

Note - Scheduled topics can and will change with out notice.



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GA 123 0B – Advanced Press / Bindery Spring 2007

Week 1	01/25/07	Course Introduction - Review of Safety & Health -
Week 2	02/01/07	Press Trouble Shooting (Chap 19)
Week 3	02/08/07	Difference between a Press and duplicator (Packing)
Week 4	02/15/07	Advance Safety – OSHA and the pressroom
Week 5	02/22/07	Ink Technology part 1 (Chap 25)
Week 6	03/01/07	Ink Technology part 2
Week 7	03/08/07	Mid Term Assessment
Week 8	03/15/07	The Chemistry of Printing part 1
Week 9	03/22/07	The Chemistry of Printing part 2 - Review of Measurements
Week 10	03/29/07	Lithographic Press, Flex, Gravure (Chap 21,22)
	04/05/07	Holiday
	04/12/07	Holiday
Week 11	04/19/07	Substrates - Trade Terms
Week 12	04/26/07	Bindery and Finishing - Grain Direction (Chap 26)
Week 13	05/03/07	Bindery and Finishing - Business of Printing
Week 14	05/10/07	Graphic Communications Careers (Chap 28)
Week 15	05/17/07	Review & Assessment

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