

Common Course Outline

CGVC 248

Digital Prepress

3 Semester Hours

The Community College of Baltimore County

Description

Digital Prepress

Demonstrates flexibility and control that recent technological changes in computer hardware and software have given to designers and other graphics professionals; explains relevant pre-press and printing processes and issues.

3 credits: 2 lecture hours and 2 laboratory hours per week.

Prerequisite: CGVC 202 or permission of program coordinator. This course may not be offered in all semesters, see registration schedule.

Overall Course Objectives

Upon successful completion of the course the student should be able to:

1. Understand and use correct pre-press and commercial printing terminology
2. Understand the difference between color systems and how to control them.
3. Understand the relationship between computer image resolution and printing line screen.
4. Understand new printing technologies and processes including, pre-press and bindery.
5. Understand the proper creation of, correction of, and management of linked graphic files.
6. Understand fonts and font technology.
7. Understand how to correctly prepare digital files for different output options.
8. Understand what to look for when proofing different output options.
9. Understand how to archive projects for future use.
10. Manage a project through the publishing process; artwork creation, selecting pre-press/print/bindery vendors, and quality control.

Major Topics

- A. Color and commercial printing
 1. Describing color
 2. Printing and pre-press terminology
 3. Graphics
 4. Image resolution vs, line screen
 5. New printing technologies
 6. Printing processes
 7. Pre-press and bindery
- B. Designing interactive forms
 1. Specifying color
 2. Color management systems
 3. Color correction
 4. Special printing techniques
 5. Registration
 6. Screen frequency, resolution, gray values, and controlling dot gain

7. Scanning
 8. Mono-, duo, tri-, and quadtones
 9. Graphics; editing, scaling/resampling, and formats
 10. Fonts
- C. Using layers for animation and special effects
1. Proofing options
 2. Preflight/checking of electronic files
 3. Running film from an imagesetter
 4. Color proofing
 5. Archiving
- D. Creating vector-based animation using Flash
1. The publishing process
 2. Budget management
 3. Determining project requirements
 4. Selecting pre-press, print, and bindery vendors
 5. File management
 6. Project paperwork

Course Requirements

1. Complete all assignments in a manner that is clean, neat, well presented, and tasteful.
2. Come to class on time and hand in all projects when they are due. Any work handed in late will receive a lower grade, unless an extenuating circumstance is allowed by the instructor.
3. Take responsibility for finding out about missed assignments. Take a classmate's phone number down. Follow the syllabus and handouts.
4. Read all textbook assignments and handouts in the week they are assigned.
5. Revise any assignment as required. Revision is a necessary part of the learning process for this course. When revisions are required, they will be part of the grade for the assignment.
6. Bring supplies and equipment to class each session and work in class on their projects.
7. Keep copies of their work. Since there is no guarantee for the safe travel of an assignment and no way to determine the fate of a missing one, the burden is on the student to keep a backup copy on removable media.
8. Maintain a digital folder of all projects, to be collected by the instructor for assessing the final grade.
9. Abide by the Code of Conduct set forth in the college catalog (College Regulations, Section Four).

Other Course Information

CGVC 248 is a required course for the Computer Graphics and Visual Communication Publication Design degree and certificate options.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities and preparing for tests.

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes and skills appropriate to various courses and programs. The assessment activities may take many different forms

such as surveys, standardized or faculty-developed tests, discussion groups or portfolio evaluations. We ask that you take these activities seriously so that we can obtain valid data to use for the continuous improvement of CCBC's courses and programs.

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