

## Course Number and Title: VSC 160 Raster Graphics

**Campus Location:**

Dover

**Effective Date:**

2021-52

**Prerequisite:**

SSC 100 or concurrent

**Co-Requisites:**

none

**Course Credits and Hours:**

3.00 credits

2.00 lecture hours/week

3.00 lab hours/week

**Course Description:**

This course introduces the computer as an artistic medium. Topics include Macintosh operating system basics and a comprehensive overview of Adobe Photoshop in raster and pixel-based imagery manipulation, planning and communication, image editing, digital illustration, publishing, and delivery of Photoshop images. Students complete a series of beginning to intermediate level, concept-based projects using Adobe Photoshop. Upon completion of this course, students are prepared to take the Adobe Certified Associate (ACA) Photoshop Exam.

**Required Text(s):**

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

**Additional Materials:**

Black Matte Board (several sheets)

Rubber Cement

Utility knife or X-ACTO knife and extra blades

8x10 hardbound sketchbook

Flash drive or cloud based storage

**Schedule Type:**

Classroom Course

**Disclaimer:**

None

**Core Course Performance Objectives (CCPOs):**

1. Access, use, and store data using the Macintosh platform. (CCC 2, 4, 5, 6; PGC ADD 2; MMD 2; PHI 2)
2. Apply the basic elements and principles of design. (CCC 1, 2, 4, 5, 6; PGC ADD 3, 4, 5; MMD 3, 4, 5; PHI 3, 4, 5)
3. Apply project planning, project management, copyright and fair use, and teamwork principles to the design of visual communication projects. (CCC 1, 2, 3, 4, 5, 6; PGC ADD 1, 3, 4, 5, 6; MMD 1, 3, 4, 5, 6; PHI 1, 3, 4, 5, 6)
4. Use Adobe Photoshop software to edit and create digital photography and digital images. (CCC 1, 2, 4, 5, 6; PGC ADD 1, 2, 3, 4, 5; MMD 1, 2, 3, 4, 5; PHI 1, 2, 3, 4, 5)
5. Draw digital-based images, and add text using Adobe Photoshop. (CCC 1, 2, 4, 5, 6; PGC ADD 1, 2, 3, 4, 5; MMD 1, 2, 3, 4, 5; PHI 1, 2, 3, 4, 5)
6. Create images and graphics for web, print, and video. (CCC 1, 2, 3, 4, 5, 6; PGC ADD 1, 2, 3, 4, 5; MMD 1, 2, 3, 4, 5; PHI 1, 2, 3, 4, 5)
7. Create, present, and defend designs, layouts, and technical merits of work, and use constructive criticism from formal critiques to make improvements. (CCC 1, 2, 3, 4, 5, 6; PGC ADD 2, 3, 4, 5, 6; MMD 2, 3, 4, 5, 6; PHI 2, 3, 4, 5, 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

**Measurable Performance Objectives (MPOs):**

Upon completion of this course, the student will:

1. Access, use, and store data using the Macintosh platform.
  1. Use the various operational basics of the Macintosh system.
  2. Create and store files in proper areas.
2. Apply the basic elements and principles of design.
  1. Explain image resolution, image size, and image file format for web, video, and print.
  2. Identify design principles, elements, and image composition.
  3. Define key terminology of digital images.
3. Apply project planning, project management, copyright and fair use, and teamwork principles to the design of visual communication projects.
  1. Interpret the purpose, audience, and audience needs for preparing image(s) that meet design brief requirements.
  2. Communicate design plans with other members of the design team and clients.
  3. Discuss standard copyright rules for images and image use.
  4. Describe project management tasks and responsibilities.
  5. Create a review and redesign cycle based on feedback.
4. Use Adobe Photoshop software to edit and create digital photography and digital images.
  1. Identify and explain elements of the Photoshop user interface and its functions.
  2. Use image generating devices, and discuss the types of images they create.
  3. Demonstrate how to access digital images in Photoshop.
  4. Employ color correction using Photoshop.
  5. Illustrate layers and masks.
  6. Demonstrate importing, exporting, organizing, and saving digital images.
  7. Produce and reuse images.
  8. Select the appropriate features and options required to implement a color management workflow.
5. Draw digital-based images, and add text using Adobe Photoshop.
  1. Demonstrate working with selections.
  2. Employ guides and rulers.
  3. Transform, size, scale, rotate, warp and/or skew images.
  4. Adjust or correct the tonal range, color, or distortions of an image.
  5. Illustrate retouching and blending images.
  6. Demonstrate drawing and/or painting using Photoshop.
  7. Demonstrate manipulation of type.
  8. Use Photoshop filters.
6. Create images and graphics for web, print, and video.
  1. Prepare images for web, print, and video.
7. Present and defend designs, layouts, and technical merits of work, and use constructive criticism from formal critiques to make improvements.
  1. Mount, matte, or using another method display work for presentation.
  2. Present design in a formal critique.
  3. Incorporate constructive criticism to make improvements.

**Evaluation Criteria/Policies:**

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

**Core Curriculum Competencies (CCCs are the competencies every graduate will develop):**

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

**Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):**

**VSCAASADD**

1. Integrate the principles and elements of design into cohesive problem solving techniques for advertising design assignments.
2. Create or evaluate and select, illustrative or photographic imagery for use in effectively evoking a response within an ad-design solution's target market.
3. Critique design solutions and develop strategies for strengthening their conceptual and technical effectiveness.
4. Structure a problem solving strategy for delivery of the client's message to his market, making efficient use of current design, production and delivery technologies.
5. Synthesize components of ad-design solutions into cohesive presentations to/for clients that are technically and conceptually effective.
6. Integrate professional, ethical, and legal standards into business practice.

**VSCAASMMD**

1. Integrate the principles and elements of design into cohesive problem solving techniques for multimedia/web design assignments.
2. Critique design solutions and develop strategies for strengthening their conceptual and technical effectiveness.
3. Structure a problem solving strategy for delivery of the client's message to his market, making efficient use of current design, production and delivery technologies.
4. Synthesize components of multimedia/web solutions into cohesive presentations to/for clients that are technically and conceptually effective.
5. Create or evaluate and select illustrative, photographic, layout, and/or responsive imagery for use in effectively evoking digital/web-based solutions for multiple devices.
6. Integrate professional, ethical, and legal standards into business practice.

**VSCAASPHI**

1. Integrate principles and elements of design into cohesive problem solving techniques for photographic and video assignments.
2. Critique digital photographic and/ or video images and develop strategies for strengthening their conceptual and technical effectiveness.
3. Structure a problem solving strategy for delivery of the client's message to his market, making efficient use of current design, production and delivery technologies.
4. Synthesize photographic images and / or video from a variety of sources and formats into cohesive presentations to/for clients that are technically and conceptually effective.
5. Collaborate with art directors, clients, models and others to achieve the desired conceptual effect of requested imagery.
6. Integrate professional, ethical, and legal standards into business practice.

**Disabilities Support Statement:**

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.