Digital Imaging I – ARTC 1302 (CRN 96535)

Spring 2016 / Wednesdays, 6:00-10:00pm / Alief Campus - Room C.122
2 hrs. lecture; 4 hrs. lab course / 96 hrs. per semester / 12 weeks

Instructor

Jordan Carswell
Phone: 713.718.5769
Email: jordan.carswell@hccs.edu
URL: learning.hccs.edu/faculty/jordan.carswell

Office Location & Hours

Alief Campus A418 (Hours by appointment)

You can contact me for any questions or concerns you have regarding your success in this course. Don't wait if you are having trouble with the course material or don't understand why you received a certain grade for an assignment or project. We'll work together to try and resolve any issues. My goal is your success.

Course Description

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image acquisitions.

Co-requisites

ARTC 1305 and ARTC 1325

Frequent Requisites

ENGL 0300 or 0347; GUST 0341; MATH 0306

Instructional Materials

Required

- Mass storage device (16 GB or higher)
- *Adobe Photoshop CC Classroom in a Book (2015 release)* by Andrew Faulkner, Conrad Chavez. Published August 26, 2015 by Adobe Press. ISBN-10: 0-13-430813-1; ISBN-13: 978-0-13-430813-5

Suggested

- *The Non-Designer's Design Book (4th edition)* by Robin Williams. Published 2015 by Peachpit Press. ISBN-10: 0-13-396615-1; ISBN-13: 978-0-13-396615-2

Course Semester Credit Hours (SCH)

Credit and Lecture 96.00 hours; External Hours: 48 hours

Course Length: 12 Weeks

Note: 1 hour of classroom instruction equates to a minimum of 1.5 hours of out of class student work each week. External hours of student work may include lessons from the book, discussions, projects, and quizzes.

Example 2 lecture, 4 lab hours:

Lecture: 3 hours x 12 weeks = 36 hours
Lab: 5 hours x 12 weeks = 60 hours
External: 4 hours x 12 weeks = 48 hours
 TOTAL = 144 hours

Type of Instruction

Hybrid course: This means that 50% of the course will be on campus in a classroom and 50% will take place online in Eagle Online.

Student Learning Outcomes

The student will be able to do the following by the end of the course:

1. Identify terminology, advantages and limitations of image editing software
2. Distinguish bit-mapped resolutions for image acquisitions and output devices.
3. Use digital editing and painting tools.
4. Use basic half-tone theory in production of images.
5. Manipulate, create, and edit digital images for print and for web.

6. Specify appropriate file formats.
7. Identify terminology, advantages and limitations of image editing software

Learning Objectives

Students will:

1. **Identify terminology, advantages and limitations of image editing software**
   Distinguish bit-mapped resolutions for image acquisitions and output devices. Students are given in-depth lectures on image resolution, line-screen resolution for printing, and the optimization of images going onto the Web.
2. **Use digital editing and painting tools**
   Colorization of black and white images using various image editing tools and color adjustment commands.
3. **Use basic half-tone theory in production of images**
   Students are taught the use of halftones and the basic theory of offset-printing
4. **Manipulate, create, and edit digital images for print and for Web**
   Students taught various techniques and tools for preparing images to print and when necessary optimizing said images for the web.
5. **Specify appropriate file formats**
   Students are taught how and when to use various file formats for printing, scanning, web, and embedding in page layout software documents.

SCANS

Credit: 3 (2 lecture; 4 lab)

1. **Identify terminology, advantages and limitations of image editing software**
   - Distinguish bit-mapped resolutions for image acquisitions and output devices
2. **Use digital editing and painting tools**
   - Workplace Competencies - Technology -Applies Technology to Task
3. **Use basic half-tone theory in production of images**
   - Workplace Competencies - Resources -Allocates Time
4. **Manipulate, create, and edit digital images for print and Web**
   - Workplace Competencies - Information -Organizes & Maintains
   - Workplace Competencies - Information -Uses Computers to Process
   - Workplace Competencies - Systems -Understands Systems
   - Workplace Competencies - Systems -Monitors & Corrects Performance
5. **Specify appropriate file formats**
   - Identify terminology, advantages and limitations of image editing software

Instructional Methods

There are two prevalent work environments in which creative professionals will find themselves. One is the studio environment, where several staff work together in a common space. The other is the freelance environment, where work is done alone from home, a single office, or maybe a coffee shop. As a hybrid course, in which 50% of your instruction takes place outside the classroom, you will get to work in both worlds.

Our class time will function mostly like a studio environment where we will all work together on activities and projects. Although there will be some lecture material, I feel that in a course like this, it is my responsibility to demonstrate the concepts of the course for you and then allow you to learn by doing. You will have as much time as possible to work in class. I will guide the class activities and provide my own knowledge and experience to help you as you develop your own expertise.

Outside of class, you will need to learn to work like a freelance professional. Establish a consistent time to work on the course, at least 6 hours per week. And get into the habit of checking for deadlines and making sure you organize your time to meet them. If you have any issues or questions about an assignment or to get feedback as you progress, you can contact me, your client.

Instructor Requirements

As your Instructor, it is my responsibility to:

- Create an effective learning environment
- Inform students of policies such as attendance, withdrawal, tardiness and make up
- Provide the course outline and calendar with a description of all assigned activities
- Provide clear instructions for all graded activities
- Provide the grading scale and grading formula explaining how grades are calculated
- Arrange to meet with individual students before and after class as required

To be successful in this class, it is the student's responsibility to:

- Attend class regularly and participate in class activities
- Participate weekly in Eagle Online web-based activities
- Read and comprehend the course materials
- Complete all assigned activities
- Keep copies of all paperwork, including this syllabus, handouts and all assignments
- Ask for help when there is a question or problem

Student Assignments

This course involves both learning how to work with digital images and learning how to do that using Adobe Photoshop CC. The assignments have been developed to provide you with opportunities to encounter new concepts, practice towards mastery, and apply your knowledge and skills towards your own creative goals.

Classroom in a Book Lessons (10% of your final grade)
This course uses the *Adobe Classroom in a Book* series. Each week you will work through one or more lessons from the book. These will be uploaded and submitted through the assignment tool in Eagle Online.

Class Activities (20% of your final grade)

Most class sessions will include activities that are to be completed that night at the end of class. As a hybrid course, 50% of instruction takes place online. You will also be participating in weekly online forums, quizzes and other online activities.

Weekly Design Assignments (30% of your final grade)

Each week, you will have a design assignment where you will be given source materials or provide your own to create a design project that will help you develop your skills in working with digital images. Instructions for each week's project will be provided in class and in Eagle Online. Submission will be made through Eagle Online.

Midterm Project-Collage (20% of your final grade)

The midterm project for this course is a collage combining shapes, selections from multiple image sources, and typography. There will be special emphasis placed on using layers, layer masks, and image compositing techniques. You will be graded on originality of concept and design, creative use of images to express your ideas and in the utilization of Photoshop.

Final Project-Visual Narrative (20% of your final grade)

The final project will be an opportunity to demonstrate what you have learned in the course by creating a visual narrative, telling a story through digital imagery. As this is the last assignment in the course, you will be given much more freedom to develop a concept and choose how the work will be presented. Detailed information will be given out in class as well as posted in Eagle Online.

HCC Grading Scale

A = 100–90	…………………………………	4 points per semester hour
B = 89–80	…………………………………	3 points per semester hour
C = 79–70	…………………………………	2 points per semester hour
D = 69–60	…………………………………	1 point per semester hour
59 and below = F	…………………………………	0 points per semester hour
IP (In Progress)	…………………………………	0 points per semester hour
W (Withdrawn)	…………………………………	0 points per semester hour
I (Incomplete)	…………………………………	0 points per semester hour
AUD (Audit)	…………………………………	0 points per semester hour

IP (In Progress) is given only in certain developmental courses. The student must re-enroll to receive credit. COM (Completed) is given in non-credit and continuing education courses. To compute grade point average (GPA), divide the total grade points by the total number of semester hours attempted. The grades "IP," "COM" and "I" do not affect GPA.

Grading Criteria

Instructions will be provided in class for each assignment. Additional information, including any assignment assets, will be available in Eagle Online.

Rubrics with detailed information about how your grade will be assessed will also be provided for both the midterm and the final projects. Use the rubric as your guide to understanding what is most important for the successful completion of each assignment.

Late Work

Late submissions of any assigned work will be deducted 25% per day and will not be accepted after the forth day.

100% - Due Date
75% - One Day Late
50% - Two Days Late
25% - Three Days Late
0% - Four Days Late

The final project will not be accepted after the due date. Therefore, contact me immediately if you are concerned that you will not meet the project deadline. We will work together to see what can done to help you finish on time.

Attendance Policy

Students are expected to attend class regularly. Any student who has missed more then three class sessions by the drop date may be administratively withdrawn from the course. Students should contact the instructor concerning any absences by the next class.

Classroom/Lab Policies

It is our shared responsibility to develop and maintain a positive learning environment for everyone. Your instructor takes this responsibility very seriously and will inform members of the class if their behavior makes it difficult for him/her to carry out this task. As a fellow learner, you are asked to respect the learning needs of your classmates and assist your instructor achieve this critical goal.

- Students are responsible for adhering to all guidelines, procedures and requirements indicated in assignments and project handouts for the course.

- Information covered in class will not be repeated for students who are tardy or absent. Students are responsible on getting lectures and assignments missed from other students.

- The student must complete all assignments and projects. Any work completed with the help of external sources such as lab technicians or past students/relatives etc. will result in a zero grade. Details will be given in each project or assignment.

- Assignment/Project content or theme must NOT contain any inappropriate or offensive material (language, text, images, or multimedia) that relates to any sexual, religious or political orientation.

- References and credits (such as images, text information, media files, etc.) used must be documented in each assignment/project where applicable.

- Work turned in past the dateline will receive a lowered letter grade or possibly an F.

- Assignments are to be saved on External disks. You may leave your files on the server or class   computers. The department will not be responsible for any deleted files.

- Student must either call or email the instructor if they cannot make it for class.

- No software, hardware, or manuals may be removed from the lab. Software and manuals may not   be copied. Lab rules are to be strictly followed. Failure to comply with these rules will mean   expulsion from both class and lab.

- ALL mobile devices should be switched to silent mode. If you need to take a call, please leave the classroom without disrupting your instructor or classmates.

HCC Policy Statements

Access Student Services Policies on their Web site:

http://hccs.edu/students/student-rights

Student Handbook

To access an electronic copy of the Student Handbook, go to:

http://www.hccs.edu/district/students/student- handbook

Personal Ethics, Honor and Integrity

Students are responsible for conducting themselves with honor and integrity in fulfilling course requirements. Penalties and/or disciplinary proceedings may be initiated by College System officials against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion.

Cheating

Cheating includes:
- Copying from another student's test paper;
- Using materials during a test that are not authorized by the person giving the test;
- Collaborating with another student during a test without authority;
- Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of a non-administered test;
- Bribing another person to obtain a test that is to be administered

Plagiarism

Plagiarism means the appropriation of anther's work and the unacknowledged incorporation of that work in one's own written work offered for credit.

Collusion

Collusion means the unauthorized collaboration with another person in preparing written work offered for credit.

Withdrawals

Students may withdraw from courses prior to the deadline established by the institution. Before withdrawing from a course, students should meet with the instructor to discuss the decision. There are services available to students you may be referred to assist in completion and success in the course.

Deadlines to withdraw are printed in the schedule of classes and on the HCC website. Be sure you adhere to the rules and deadlines in order to receive a 'W' otherwise a grade of 'F' will be given in the course by the instructor.

Students should take care in dropping a course, as the third or future attempt to retake a course will result in a higher rate of tuition at HCC.

Remember to allow a 24-hour response time when communicating via email and/or telephone with a professor and/or counselor. Do not submit a request to discuss withdrawal options less than "3" days before the deadline.

If you do not withdraw before the deadline, you will receive the grade that you are making in the class as your final grade.

As outlined in the Attendance Policy section, students who miss more then three class sessions by the drop date may be administratively withdrawn from the course by the instructor.

Course Calendar

This is a tentative outline of class activities for the semester. This calendar is subject to change. You will be made aware of any changes to our schedule both in class and online in the learning management system. Complete instructions for all assignments will be posted in Eagle Online.

Week 1: Course Introduction & Photoshop Workspace (Feb 17th)

Topics
- Course Introduction
- Photoshop Workspace

Assignments
- Introductory Forum Post
- Profile Photograph for Eagle Online
- Classroom in a Book Lesson 1

Week 2: Shapes, Selections & Layers (Feb 24th)

Topics
- Vector and Raster
- Shape Tool
- Selections
- Layers
- File Formats

Assignments
- Weekly Design Challenge
- Classroom in a Book Lesson 3

Week 3: Compositing I (Mar 2nd)

Topics
- Layers (Ordering, Grouping, Styles)
- Advanced Selections (Transformations, Refining, Blending)

Assignments
- Weekly Design Challenge
- Classroom in a Book Lesson 4
- Online Forum

Week 4: Photo Editing (Mar 9th)

Topics
- Basic Photo Corrections
- Using Adjustment Layers

Assignments
- Weekly Design Challenge
- Classroom in a Book Lessons 2 and 5
- Online Forum

Week 5: Compositing II (Mar 23rd)

Topics
- Midterm Project Assigned
- More Compositing Tools and Techniques

Assignments
- Classroom in a Book Lesson 9
- Online Forum
- Midterm Project Draft

Week 6: Midterm Project–Digital Collage (Mar 30th)

Topics
- Midterm Project Draft Critiques
- Midterm Project Q&A

Assignments
- Midterm Digital Collage Project

Week 7: Masks & Channels (Apr 6th)

Topics
- Kinds of Masks
- Refining Masks
- Working with Channels

Assignments
- Weekly Design Challenge
- Classroom in a Book Lesson 6
- Online Forum

Week 8: Typography (Apr 13th)

Topics
- Character and Paragraph Menus
- Type Tool & Paths
- Rasterizing Type
- Clipping Masks

Assignments
- Weekly Design Challenge
- Classroom in a Book Lesson 7
- Online Forum

Week 9: Video (Apr 20th)

Topics
- Visual Communication & Digital Storytelling
- Storyboarding
- Motion Workspace in Photoshop

Assignments
- Classroom in a Book Lesson 11
- Online Forum
- Final Project Proposal & Storyboard

Week 10: Final Project–Visual Narrative (Apr 27th)

Topics
- Final Project Proposal & Storyboard Critiques
- Final Project Q&A

Assignments
- Final Project Rough Cut

Week 11: Final Project–Visual Narrative (May 4th)

Topics
- Final Project Critiques
- Final Project Q&A

Assignments
- Final Project Submission

Week 12: Final Project Presentations (May 11th)

Individual Final Project Presentations and Submission of Final Project Assets