HOUSTON COMMUNITY COLLEGE

Course Syllabus
Digital Imaging II
ARTC 2305

Semester with Course Reference Number (CRN)	Spring 2014 CRN# 80782
Instructor contact information (phone number and email address)	Pim Ormrod 832-755-6699 oliver.ormrod@hccs.edu
Office Location and Hours	Rm. 131 West Loop 8:30am to 9:30am Mon.& Wed. Also Tue. & Thur. 4:30pm to 5:30pm
Course Location/Times	RM. 131 West Loop,5:45pm to 9:45pm Tuesdays
Course Semester Credit Hours (SCH) (lecture, lab) If applicable	Credit Hours: 3 Lecture Hours: 2 Laboratory Hours: 4 External Hours:
Total Course Contact Hours	96.00
Course Length (number of weeks)	16
Type of Instruction	Lecture/Lab
Course Description:	Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and

image-acquisitions.

Course Prerequisite(s)	**CO-REQUISITE(S):** • ARTC 1325 • ARTC 1305 **FREQUENT REQUISITES** • MATH 0306 (Basic Math Pre-Algebra) • GUST 0341 (7th -9th Grade Reading) • ENGL 0300 or 0347
Academic Discipline/CTE Program Learning Outcomes	1. Demonstrate ability to select and apply industry standard software 2. Design and demonstrate use of software and techniques in practical applications 3. Develop a portfolio of work that demonstrates proficiency in skills for employment 4. Present a portfolio of work that demonstrates proficiency in skills for employment.
Course Student Learning Outcomes (SLO): 4 to 7	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.
Learning Objectives (Numbering system should be linked to SLO - e.g., 1.1, 1.2, 1.3, etc.)	**1. Identify terminology, advantages and limitations of image editing software** 1. Students are directed to setup their own personal work space with the software application. This exercise teaches them the names, commands, and locations of the various image editing tools inherent to the software and technology. **Distinguish bit-mapped resolutions for image acquisitions and output devices.** 1. Students are given in depth lectures on image resolution, line-screen resolution for printing, and image optimization images going on the web. **1. Use digital editing and painting tools.** 1. Colorization of black and white images using various image editing tools and color adjustment commands. **1. Use basic half-tone theory in production of images.** 1. Students are taught the basic theory of offset-printing and the use of half-tones in terms of CMYK plates and inks **1. Manipulate, create, and edit digital images for print and for web.** 1. Students are given severely damaged images and taught various techniques and tools for restoring images to print quality and when necessary optimizing said images for the web. **1. Specify appropriate file formats.** 1. Students are taught how and when to use various file formats for printing, scanning, web, and embedding in page layout software documents.

SCANS and/or Core Curriculum Competencies: If applicable	SCANS 1. **Identify terminology, advantages and limitations of image editing software** Foundation Skills - Basic -Reading Foundation Skills - Basic -Writing Foundation Skills - Personal Qualities -Social **Distinguish bit-mapped resolutions for image acquisitions and output devices.** 1. **Use digital editing and painting tools.** Workplace Competencies - Technology -Applies Technology to Task 1. **Use basic half-tone theory in production of images.** Workplace Competencies - Resources -Allocates Time 1. **Manipulate, create, and edit digital images for print and for web.** Workplace Competencies - Information -Organizes & Maintains Workplace Competencies - Information -Uses Computers to Process Workplace Competencies - Systems -Understands Systems Workplace Competencies - Systems -Monitors & Corrects Performance 1. **Specify appropriate file formats.**
Instructional Methods	Web-enhanced (49% or less) Face to Face
Student Assignments	1. **Identify terminology, advantages and limitations of image editing software** Discussions Lab Exercises Homework Exercises **Distinguish bit-mapped resolutions for image acquisitions and output devices.** Discussions Projects Lab Exercises Homework Exercises 1. **Use digital editing and painting tools.** Presentations Projects Portfolios Lab Exercises Homework Exercises 1. **Use basic half-tone theory in production of images.** Presentations Projects Portfolios Lab Exercises Homework Exercises 1. **Manipulate, create, and edit digital images for print and for web.** Presentations Projects Portfolios Lab Exercises Homework Exercises 1. **Specify appropriate file formats.**

Discussions
Presentations
Projects
Portfolios
Lab Exercises
Homework Exercises

Student Assessment(s)	**Identify terminology, advantages and limitations of image editing software** In-class discussions Group and/or individual projects Various assigned readings from textbooks **Distinguish bit-mapped resolutions for image acquisitions and output devices.** In-class discussions Group and/or individual projects **Use digital editing and painting tools.** In-class discussions Group and/or individual projects **Use basic half-tone theory in production of images.** In-class discussions Group and/or individual projects **Manipulate, create, and edit digital images for print and for web.** Portfolios Presentations In-class discussions Group and/or individual projects **Specify appropriate file formats.** In-class discussions Group and/or individual projects Adobe Certificate Exam
Instructor's Requirements	• Students enrolled in this course must complete and turn in all assignments on dates assigned to include the Mid-term, Final, and Adobe Certificate Exam. • All students must complete and turn in a finished Portfolio as prescribed by Classroom handout. • All students must be in the classroom by 5:45pm on class day.
Program/Discipline Requirements: If applicable	• Complete and comprehend the objectives and technologies involved in all graded assignments. • Demonstrate the ability to apply creative thinking and problem solving to all class projects and assignments. • Complete all reading assignments pertaining to the subject matter of the course. • Attend class regularly, missing no more than 12.5% of instruction and lab time (12 hours) • Arrive at class promptly and be prepared with necessary books, storage media, assignments, and anything else required. • Exhibit safe and courteous lab habits. • Develop and share knowledge and information with fellow students.

- Participate in keeping labs clean and organized; shutting down computers when finished; abiding by lab rules; showing respect for instructors, fellow students and lab assistants.
- Participate in class discussions and critiques.
- Demonstrate the ability to communicate in a clear, coherent manner.
- Turn in all assignment on time and in the manner required by the instructor.
- Demonstrate the ability to use computer--?based technology and software applications as it applies to be given class.
- Understand and be proficient in computer file management, including saving and retrieving files.
- When possible, demonstrate the ability to use and understand both Macintosh and Window operating systems.
- Demonstrate knowledge and the ability to use applicable peripherals and storage devices.
- Develop a portfolio that illustrates concepts, techniques, and programs used in solving class assignment, including a written statement describing project concepts and processes.
- Demonstrate ability and creativity in using computer--?based technology in communicating, solving problems and acquiring information.
- Accept responsibility for personal understanding of course requirements and degree plan.

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
	FX (Failure due to non-attendance)	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.
See "Health Science Program/Discipline Requirements" for grading scale.

Instructor Grading Criteria   Handed out in class at the beginning of each Assignment , Midterm, Final, Portfolio, and Web Research Project

Instructional Materials
- Mass storage device (8 Gig Flash Drive or Pocket Hard Drive)
- Notebook binder
- Premium photo paper and printing *(costs around $20 per student)*
- 11"x14" portfolio binder
* Assigned Textbook

HCC Policy Statement: Students enrolled in this class are allowed to miss 12.5% of Lab/Lecture class time or 2 classes for the semester.
Last Day for Administrative Withdrawals for Spring 2014 is March by 4:30 pm

Access Student Services Policies on their Web site: http://hccs.edu/student-rights

EGLS3 -- Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time near the end of the term, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and department chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Distance Education and/or Continuing Education Policies

Access DE Policies on their Web site: http://de.hccs.edu/Distance_Ed/DE_Home/faculty_resources/PDFs/DE_Syllabus.pdf

Access CE Policies on their Web site: http://hccs.edu/CE-student-guidelines