



Course Information

Course Title	Digital Image I
Course Prefix, Num. and Title	ARTC 1302 - Digital Image I
Division	Technology and Business
Department	Computer Science
Course Type	WECM Course
Course Catalog Description	Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, and image-acquisitions.
Pre-Requisites	Grade C or higher in IMED 1301
Co-Requisites	None

Semester Credit Hours

Total Semester Credit Hours (SCH): Lecture Hours:	3:2:2
Lab/Other Hours	
Equated Pay Hours	3
Lab/Other Hours Breakdown: Lab Hours	2
Lab/Other Hours Breakdown: Clinical Hours	0
Lab/Other Hours Breakdown: Practicum Hours	0
Other Hours Breakdown	0

Approval Signatures

Title	Signature	Date
Prepared by:		
Department Head:		
Division Chair:		
Dean/VPI:		
Approved by CIR:		

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Equipment: Camera types, lenses, and zoom
Basics of Photography: light, shutter speed, aperture, ISO speed
Photographic composition
Telling stories with photographs
Photographing people, places, and nature
Organizing, evaluating and rating images
Basic image adjustments in Aperture, Bridge, and Photoshop
Preparing images for customer perusal/approval
Advanced image editing in Photoshop
Soft proofing using ICC profiles
Photo output and archival

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

Identify terminology, advantages and limitations of image editing software
Distinguish bit-mapped resolutions for image acquisitions and output devices
Use digital editing and painting tools
Use basic half-tone theory in production of images
Manipulate, create, and edit digital images for print and for web
Specify appropriate file formats

Methods of Assessment:

Individual/Group Assignments
Individual/Group Projects
Written Assignments/Research Papers
Reading Assignments
Presentations
Labs/Assignments
Portfolios
Quizzes/Tests/Exams/Certifications
Critiques/Discussions
Surveys
Attendance/Participation

Required text(s), optional text(s) and/or materials to be supplied by the student:

Kinghorn, J. & Dickman, J., Perfect Digital Photography. 2nd Edition. New York: McGraw-Hill/Osborne (ebook: ISBN 978-0-07-160167-2; paperback: ISBN 007160166X/9780071601665).

Long, B., Harrington, R. and Luna, O., Aperture 2—Professionally Manage Digital Photographs. Berkeley, CA: Peachpit Press (ISBN 0321539931)

16 – GB (min) USB thumb/flash drive
High Speed Internet
Digital Camera (phone camera's cannot be used)

Suggested Course Maximum:

FBTC 143: 16

Version: 3/20/2019

List any specific or physical requirements beyond a typical classroom required to teach the course.

Computer Lab w/ a computer per student and instructor

Baseline Computer Stats:

3.4 Ghz or higher

16 GB of memory or higher

Graphic Card: 2048 MB, 256-bit GDDR56008 MHz (effective), 192.26 GB/s or higher

26"-30" inch monitor

Projector w/ screen

Adobe Suite- CS6

Submission System (Blackboard or an equivalent or server space)

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Written Assignment: 5-15%

Labs/Assignments: 30-50%

Exams and Quizzes: 0-10%

Projects: 30-50%

Attendance/Participation: 5-10%

Curriculum Checklist:

Administrative General Education Course (from ACGM, but not in WCJC Core) – No additional documents needed.

Administrative WCJC Core Course. Attach the Core Curriculum Review Forms

Critical Thinking

Communication

Empirical & Quantitative Skills

Teamwork

Social Responsibility

Personal Responsibility

WECM Course -If needed, revise the Program SCANS Matrix and Competencies Checklist