



**Purpose:** It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

**Course Title** – Digital Imaging I

**Course Prefix and Number** – ARTC 1302

**Department** - Computer Science

**Division** - Technology & Business

**Course Type:** (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y  or N )

**Semester Credit Hours #: Lecture Hours #: Lab/Other Hours #:** 3:2:2

**Equated Pay hours for course** - 3

**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.

**Prerequisites/Co-requisites** – Grade C or better in IMED 1301

List Lab/ Other Hours
Lab Hours 2
Clinical Hours 0
Practicum Hours 0
Other (list) 0

**Prepared by:** Natalie Pittman

**Date:** 9-12-2015

**Reviewed by Department Head:** Donna Schilling

**Date:** 6/24/2015

**Accuracy Verified by Division Chair:** David Kucera

**Date:** 8/12/15

**Approved by Dean or Vice President of Instruction:** Leigh Ann Collins

**Date:** 3-4-16



**I. Topical Outline** – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, 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

**II. Course Learning Outcomes**

<b>Learning Outcomes</b>	<b>Methods of Assessment</b>
<p><b>Upon successful completion of this course, students will:</b></p> <p>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.</p>	<ul style="list-style-type: none"> <li>Individual/Group Assignments</li> <li>Individual/Group Projects</li> <li>Written Assignments/Research Papers</li> <li>Reading Assignments</li> <li>Presentations</li> <li>Labs/Assignments</li> <li>Portfolios</li> <li>Quizzes/Tests/Exams/Certifications</li> <li>Critiques/Discussions</li> <li>Surveys</li> <li>Attendance/Participation</li> </ul>

**III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.**

**Required:**

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)

**IV. Suggested Course Maximum –**

FBTC 143: 16

SL-George- 218: 20

**V. List any specific spatial 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)

**VI. 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%

**VII. Curriculum Checklist**

- **Academic General Education Course** (from ACGM – but not in WCJC Core)  
No additional documentation needed

- **Academic WCJC Core Course**  
Attach the Core Curriculum Review Forms

- Critical Thinking
- Communication
- Empirical & Quantitative Skills
- Teamwork
- Social Responsibility
- Personal Responsibility

- **WECM Courses**  
If needed, revise the Program SCANS Matrix & Competencies Checklist.