



NMSU | DOÑA ANA COMMUNITY COLLEGE

# MASTER SYLLABUS

**NOTICE TO STUDENT:** This document and the information contained in the following link: <http://dacc.nmsu.edu/student-support-and-institutional-information/> comprises the course syllabus. You are responsible for both the content in this document as well as the content in the associated web link.

**CMT 245, Image Processing  
Section 01  
East Mesa Campus, Room 201  
Tuesday & Thursday, 4:00– 5:40pm  
Spring 2016**

**Creative Media Technology  
DOÑA ANA COMMUNITY COLLEGE**

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Office Hours: N/A

**CLASS WEBSITE:**

<http://www.weaponize.com/cmt-245>

**CATALOG COURSE DESCRIPTION:**

**CMT 245 Image Processing II 3 cr. (2+2P)**

Advanced techniques in editing and manipulation of raster images for digital graphics for print, multimedia and web. Prerequisite: CMT 145. May be repeated for a maximum of 6 credits. Same as OEGR 260.

**PREREQUISITES:**

CMT 145, IMAGE PROCESSING

**COURSE RATIONALE:**

It's time to take things to the next level. This is where we make the difference between your average Photoshop designer and an excellent one. Just knowing Photoshop will get you a good job, mastering the advanced techniques will get you a great job. As internet and graphic design become a mainstay in world businesses, more talented people are needed every day. Businesses are beginning to pass over people because a higher-level designer is needed. By mastering Photoshop and learning how to incorporate all of your design talents and software you too can land that great job with a great company.

**COURSE TEXT AND MATERIALS:**

USB Flash Drive

**STUDENT LEARNING OUTCOMES:**

Students will be able to:

Develop an advanced knowledge of Adobe Photoshop as it pertains to your industry of choice.

Learn the advanced techniques of making the software do what you want and even uncover a few secret tricks.

By the end of the class, you will be able to:

Create a seamless layered image from different multiple images.

Use layers, channels and masks to enhance an image and be able to quickly make changes at a later time.

Quickly adjust the color correction or image quality of any picture.

Easily retouch and fix problem photos to perfection.

And a whole lot more...

**COURSE COMPETENCIES:**

Upon completion of the course, the student will be able to:

- To demonstrate knowledge of advanced features and advanced navigation in Adobe Photoshop
- Perform advanced manipulations
- Use advanced brushes and text
- To develop skills in using advanced non-destructive techniques to create complex raster images
  - Develop images using advanced, compositing techniques
  - Manipulate images with advanced adjustments
- To use professional techniques in capturing and outputting images
- To interface with Adobe Camera Raw
- To interface with Photoshop using advanced shortcuts
- Save images in correct file formats for print, web, and video
- Apply advanced design and artistic skills in preparing images

**TOPICAL OUTLINE:**

Review & strengthen your fundamentals of Photoshop

More Quick Keys

Advanced Color Correction

Smart Objects

Smart Filters

Vector Shapes

Vector Paths

Vector Masks

Automate

•Actions

•HDR

Adobe Camera Raw

Channels Masks

Spot Colors

Color Calibration

**METHODS OF INSTRUCTION:**

Class time will include lecture and demonstrations, and will provide time to work. Your use of the entire period is an important aspect for your participation grade. Handouts will be given outlining daily discussions, exercises and additional techniques. The textbook will be used as a reference tool and you will complete assignments from it. Tutors are available to answer questions and to assist students, but they do not complete students' homework.

**METHODS OF EVALUATION:**

Projects will be evaluated by rubric at each stage of the process based on usability, design, composition, legibility, appropriateness, completeness, authenticity and visual communication effectiveness. In addition there will be quizzes, worksheets, design discussions and group critiques.

### **GRADING POLICY:**

Visit:

<http://www.weaponize.com/dacc/245/grading245.html>

**Please note:** NMSU employs a fractional grading scale, which allows faculty to assign plus or minus grades. Plus or minus designations carry grades points.

A+ or A = 4.0    A- = 3.7    B+ = 3.3    B = 3.0    B- = 2.7    C+ = 2.3    C or C- = 2.0    D+, D, D- = 1.0

*These grade points will impact a student's overall GPA. Fractional grading is an option. Please let students know if you plan to use fractional grading.*

### **PROJECTS:**

- You will be given exercises in class to reinforce the concepts that we are learning. Take these exercises, apply the concepts discussed, and let your creativity go. Various class exercises will be turned in for a grade.
- The textbook will be used to reinforce concepts covered in class and you will be given exercise from the text to complete and submit through Blackboard. The projects will be graded on Photoshop proficiency, creativity, quality, and overall impression. A project must be turned in on time even if you are not able to be in class. All work must be your own.
- Two to four quizzes will be given during the semester. These may be theory or application and will be announced the class before the quiz. Quizzes CANNOT be made up except in extreme circumstances where prior arrangements have been made.

For the final project, you will create a complete and detailed computer illustration for a specified use. You will present your project to the class during the exam period and explain how you designed and prepared it. All work must be your own.

### **CLASSROOM MANAGEMENT:**

Students are expected attend all classes as stated in the attendance policy stated in Doña Ana Community College catalog. Attendance will be taken at the beginning of each class. If you are going to be late or absent you must notify the instructor prior to class via phone or e-mail. If you miss class, you are responsible for getting notes, assignments, and special instructions from other students or the instructor. Tardiness after 10 minutes will be considered an absence, unless you contacted instructor and made prior arrangements. If you need to leave class early, please notify instructor prior to class starting, otherwise it will be considered an absence. Instructors may drop a student if the student misses 3 classes. Students should not assume they will be dropped automatically by instructor. It is your responsibility to drop a course or withdraw from school in the event that you will no longer be attending.

### **STUDENT SUPPROT & INSTITUTIONAL INFORMATION:**

This information can be found in Canvas by clicking on the *DACC Resources* tab or by going to <http://dacc.nmsu.edu/studentsupportandinstitutionalinformation/>

### **TENTATIVE SCHEDULE:**

Visit:

<http://www.weaponize.com/cmt-245-calendar>

### **ADDITIONAL DATES TO REMEMBER:**

Visit:

[http://www.nmsu.edu/General/academic\\_calendar.html](http://www.nmsu.edu/General/academic_calendar.html)

