*Lecture Contact Hours: 32-36; Homework Hours: 64-72; Total Student Learning Hours: 96-108*
*Laboratory Contact Hours: 48-54; Homework Hours: 0; Total Student Learning Hours: 48-54*

**CUYAMACA COLLEGE**
COURSE OUTLINE OF RECORD

## GRAPHIC DESIGN 212 – PROFESSIONAL DIGITAL PHOTOGRAPHY III

2 hours lecture, 3 hours laboratory, 3 units

**Catalog Description**
Project based course concentrates on advanced photographic shooting and post processing techniques, with an introduction to photo-illustration. Students will learn to refine compositional and substantive aspects of photography as a means of communication. Course will cover a variety of tools and techniques for image enhancement including high dynamic range imagery (HDR), exposure compositing, and color management in a digital workflow.

**Recommended Preparation**
"C" grade or higher or "Pass" in GD 211 or equivalent

**Entrance Skills**
Without the following skills, competencies and/or knowledge, students entering this course will be unlikely to succeed:
Ability to:
1) Describe and use advanced light control techniques to improve photographic quality.
2) Shoot, process and edit digital raw files.
3) Create technically proficient and aesthetically pleasing photographic images for a variety of mediums.
4) Skillfully enhance, retouch, color correct and output digital photographs.
5) Use photography as a means for visual design, illustration and graphic communication.

**Course Content**
1) Advanced raw file processing
2) Image compositing
3) Exposure compositing
4) High dynamic range (HDR) photography
5) Advanced image enhancement
6) Photo illustration
7) Creating content, composition and expression.

**Course Objectives**
Students will be able to:
1) Optimize digital photographs using advanced camera raw processing techniques.
2) Photograph and process high dynamic range scenes (HDR) for optimized image quality.
3) Express a concept or theme using photo illustration as a medium.
4) Improve upon photographic skills acquired in previous courses.

**Method of Evaluation**
A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.
1) Exams that measure students' ability to use design terminology and explain design and technology concepts.

2) Exercises that measure students' ability to use computer applications to solve real-life digital image problems.
3) Exercises that demonstrate skillful use of a digital camera and accessories based on criteria provided by the instructor.
4) Exercises that require effective application of photography principles based on criteria provided by the instructor.
5) Exercises that require use of hardware and software applications to enhance digital photos based on criteria provided by the instructor.
6) Critiques that require students to verbalize and apply feedback to improve digital photos based on criteria specified by the instructor.

**Special Materials Required of Student**
Access to adjustable digital camera, computer with reliable Internet access and Adobe Photoshop, inkjet printer, removable storage (external or USB drive), 8.5 x 11 high-quality photo printer paper

**Minimum Instructional Facilities**
Lab/studio with large, flat work tables, student art desks and chairs, flat files, storage cabinets, large wall spaces with bulletin boards, marker boards, bright lighting, computer projection system, computers, software, inkjet printer, digital cameras, photographic lights and stands

**Method of Instruction**
1) Lecture and demonstration
2) Analysis of examples of digital photos
3) Assignments
4) Individual student conferences
5) Student presentations, exhibitions
6) Instructor/student critiques
7) Field trips

**Out-of-Class Assignments**
1) Assigned readings
2) Digital photography exercises
3) Digital image manipulation exercises

**Texts and References**
1) Required (representative example): Handouts prepared by instructor.
2) Supplemental: Stone, Jim and Barbara London. *A Short Course in Photography: Digital*. 3rd edition. Pearson, 2014.

**Student Learning Outcomes**
Upon successful completion of this course, students will be able to:
1) Optimize digital photographs using advanced camera raw processing techniques.
2) Express a concept or theme using photo illustration as a medium.
3) Photograph and process high dynamic range scenes (HDR) for optimized image quality.