



ANTELOPEVALLEY COLLEGE

Academic Affairs
Course Outline of Record

Academic Affairs Only

- New Course 12/11/2008
- COR Revision
- COR Update
- Pre Req/Advisories 12/11/08
- Other Changes
- Effective Date 200970
- SLO 8/6/2008

COURSE SUBJECT & NUMBER: PHTC 275

COURSE NAME: *Advanced Digital Photography

COURSE UNITS: 3 **COURSE HOURS:** 4 hours weekly

COURSE REQUISITES: *(Follow format of similar courses found in the college catalog.)*

Prerequisites: Completion of PHTC 125

Corequisite: Concurrent enrollment in PHTC 275L

Advisory: Eligibility for READ 099 and ENGL 099

Instructional materials fee required for this course and must be paid at registration.

COURSE DESCRIPTION: *(Write a short paragraph providing an overview of topics covered. Be sure to identify target audience--transfer, major, GE, degree/certificate, etc. If repeatable, state the number of times at end of description.)*

The course covers advanced digital photography theory and practice in the contemporary use of the digital camera to create photographic prints. Students receive instruction in digital photography techniques through assignments that build advanced technical skills using natural and artificial lighting. Course provides experience with professional photography equipment and helps students develop creative thinking and idea execution. Students are required to purchase additional supplies. (R2) (CSU, AVC)

COURSE OBJECTIVES: *(Use Bloom's taxonomy to formulate concise, performance-based measurable objectives common to all students. Objectives must be closely aligned with course content, assignments, and methods of evaluation.)*

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

1. Utilize photographic visual vocabulary
2. Summarize the theory of light and color in photography
3. Demonstrate expanded technical skills with the digital camera exposure and printing techniques. Expand professional technical skills of photography equipment including tripods, light meters, and light modifiers. Employ proper technique in digital photography assignments of increasing complexity
4. Create photographs that employ advanced technical skills in photography demonstrated by their understanding of the utilization of different lighting techniques including electronic flash equipment, light modifying equipment, and natural light
5. Demonstrate ability in digital photographic assignments of more advanced subject matter, including thematic, interpretive, and illustrative content
6. Compare and describe critique methods for evaluating photographs
7. Develop self-expression and creative ability and skill related to photography
8. Prepare a portfolio of work suitable for professional presentation

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COURSE CONTENT: *(Enter course content in terms of specific topics or a specific body of knowledge that each instructor must cover. Put topics in outline form with major and minor headings. Title 5 requires that each instructor must cover all material listed below.)*

I. Digital Photography Process:

- Overview of the visual vocabulary of photography including aperture, exposure, depth of field, shutter speed, rule of thirds, color balance, composition, texture, repetition, perspective, and image capture.
- Exploration and discussion of photography equipment secondary to the still camera including lenses, tripods, light modifiers, artificial lighting, light meters, and safety practices.
- Theory of light of light and color in photography.
- Overview of digital workflow using software dedicated to photography.
- Review of beginning level photographic image editing skills including: Composition, dodging and burning, color correction, contrast control, saturation, cropping, image rotation, image cropping, photo filters, file saving, and file formats.
- Advanced theories related to lighting and color correction.

II. Light and Color in Digital Photography:

- Instructor led discussion and presentation reviewing the qualities of light (direct versus diffused), light temperature (color of light) and use of light modifiers.
- Presentation and discussion addressing the topic of light temperature and its relation to achieving proper color balance in photographs. Lighting conditions including daylight, florescent, electronic flash, incandescent, and mixed lighting will be discussed.
- Demonstrate and discuss correct utilization of light meters including hand held and in camera. Apply knowledge to calculation of exposure from readings.
- Discuss and analyze the various applications of photography in the professional realm including commercial, editorial, fashion, photo-journalism, documentary, nature/landscape, medical/scientific, and fine art.

III. Final Output, Professional Presentation and Visual Critiques:

- Discussion of color balance techniques to correct post camera images. Discussion monitor calibration, and making prints that accurately reproduce the digital file.
- Professional presentation methods including photo CDs, photo DVDs, print and web portfolios.
- Critiquing methods for evaluating photographs (what to look for visually). Discuss and evaluate each assignment during class critiques.

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TYPICAL HOMEWORK ASSIGNMENTS: READING, WRITING, COMPUTATIONAL, OTHER

This information is necessary for all credit courses. Assignments should be closely related to course objectives, content, and methods of evaluation. (See sample of a "Model Outline" in the AP&P Standards & Practices handbook.) Include a range of assignments (minimum of three) from which faculty may choose when designing their syllabus.

1. Describe nature and frequency of typical reading assignments if applicable; note if any are required:

Weekly readings including:

Technical manuals

Critical theory in recommended text

Current periodicals

2. Describe nature and frequency of typical writing assignments if applicable; note if any are required:

Students may be required to hand in written reports such as critiques of photographers, photographic style, and/or gallery reviews. The student may be required to interview a commercial photographer and write a report. The frequency and nature of written assignments will be determined by the instructor of the class.

3. Describe nature and frequency of typical computational assignments if applicable; note if any are required:

N/A

4. Describe other types of homework assignments that students may be asked to complete; note if any are required:

- Time of day assignment: photograph the same elements in a variety of lighting situation including sunset, sunrise, noon, overcast, and twilight. Print each situation and compare prints.
- Students may produce a photograph using the same elements in a variety of lighting situations including florescent lighting, electronic flash, incandescent lighting and mixed lighting. Print each situation and compare prints.
- Portrait assignment where the student may be asked to use available/window light or in the studio using.
- A portfolio with all of the work produced in the semester may be required as a final presentation.
- Low Key and/or High Key assignments will demonstrate use of light and composition on the subject in a bright and dark environment

5. Describe those critical thinking skills that are derived from assignments listed above; be sure that they reflect course objectives.

- Evaluate the elements in a variety of lighting situation including sunset, sunrise, noon, overcast, and twilight, adjust exposure and or white balance to correct for each situation.
- Analysis of light temperature and color balance evaluated by photographs with correct white balance.
- Students will analyze prints for technical quality such as color correct, cropping, then reprint to correct technical imperfections
- Evaluate the components of an effective Portrait
- Inspect many styles of Documentary Photography

6. For categories 1-4, describe the estimated time per week it would take a student to complete homework assignments.

Title 5 uses the Carnegie formula for establishing units using a 2:1 ratio as follows: 1 hr. lecture = 2 hrs .homework; 2 hrs. lecture = 4 hrs .homework; etc. For example: reading textbook—2 hours; writing reports—3 hours.

Reading: 2-3 hours

Writing: 2-3 hours

Computational:

Other: 4-6 hours

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METHODS OF INSTRUCTION: *(Methods must be consistent with content and appropriate to objectives; state in terms of what instructor will be doing in order to present course content to students: for example, lecture, demonstration, facilitate group work, etc. Do not list specific instructional equipment.)*

- Presentation of course content through lectures, demonstrations, and assigned readings.
- Class critiques of assignments (photographs)

METHODS OF EVALUATION: *(These must be clearly related to course content, assignments, and objectives in order to comply with Title 5 requirements. Describe what instructor will be looking for when evaluating various assignments and tests in order to determine whether students have met course objectives. Grades must be based on demonstrated proficiency in subject matter and determined, where appropriate, by essays, objective and essay tests, research papers or projects, problem solving exercises, or skills' demonstrations.)*

Students will be evaluated through participation in class lectures, class demonstrations, and in-class critiques, written tests, photography assignments, and a final portfolio. These will demonstrate:

- Demonstrate advanced technical skills with the digital camera exposure, lighting, and printing techniques.
- Proficiency of course content
- Advanced techniques and principles of photography and related digital technologies.
- Knowledge of composition, camera functions to achieve compositional goals, exposure, use of various lenses, and creating final prints.

Suggested Texts or other Instructional Materials *(list several when possible; include title, author, publisher, date, and latest edition.)*

Photography Texts:

1. Photography, by Barbara London, Jim Stone, John Upton
Prentice Hall, 2007
2. Photography, by Henry Horenstein
Prentice Hall, Rev Sub edition (2003)

Photography Periodicals:

1. Photo District News Magazine
2. Digital Photo Pro Magazine