I. OVERVIEW
The following information will appear in the 2009 - 2010 catalog

ART 189  Photo Laboratory Technology  1 Unit

Recommended for Success: Before enrolling in this course, students are strongly advised to satisfactorily complete ART 170 with a minimum grade of C or better.

Maintenance and operation of a photographic lab facility: equipment, chemistry, scheduling and other related activities.

Repeatable up to 4 units maximum.
Field trips might be required. (A-F or P/NP - Student choice) /Lab
Transfer: (CSU) General Education: (MJC-GE: Activities )

II. LEARNING CONTEXT
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. COURSE CONTENT

1. Required Content:

A. Direction in outlining and implementing a project related to specific areas, processes, or activities in the MJC Photo Lab
B. Practical laboratory coordinated with individual and group instruction appropriate to assigned areas and tasks
C. Assignments and projects will be based on the abilities of the individual student and specific needs that arise in the program
D. The content may include but is not limited to the following activities:
   1. Identify and catalogue technical and aesthetic information and slides related to photographic studies
   2. Make copy slide materials for instructors' use in classes
   3. Perform specialized technical tasks related to the student's interest or skill level
   4. Assist in field trip or other class activities
   5. Assist in office administrative activities that relate to operation of the photographic laboratory and program

B. ENROLLMENT RESTRICTIONS

1. Advisories

Before enrolling in this course, students are strongly advised to satisfactorily complete ART 170 with a minimum grade of C or better.

C. HOURS AND UNITS

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D. METHODS OF INSTRUCTION (TYPICAL)
Instructors of the course might conduct the course using the following method:

1. Technical demonstrations and lectures
2. Individual instruction as needed for student success
3. Written status report of lab conditions and assessment of possible improvements
4. Quizzes
5. Given problematical technical/procedural tasks, each student is required to delineate the steps needed to resolve each problem and/or obtain the prescribed results
6. Each student is required to assess present lab conditions and possible future improvements
7. Each student is required to outline and carry out to completion a practical project related to Teaching Method B.2

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS
Time spent on coursework in addition to hours of instruction (lecture hours)

   1. arrive promptly and appropriately dressed for attending to the public for the entire hourly assignment each week.
   2. Check-in and check-out equipment during all lab hours; otherwise work on cleaning, and/or specific tasks assigned by the instructor and/or lab supervisor.
   3. Make sure all prints are efficiently and thoroughly washed and dried for students to pick up when completed.

2. EVIDENCE OF CRITICAL THINKING
Assignments require the appropriate level of critical thinking

   1. read instructions and perform mixing operations of chemicals for darkroom lab.
   2. Identify and catalog laboratory materials and equipment.
   3. Identify and catalog visual aids teaching materials.
   4. Arrange a group of photographs according to size, format and content in coherent display in the photo lab and/or in Sierra Hall Gallery.
   5. Identify, locate, and solve or inform supervisor of problems with equipment and other materials in the photography lab.
   6. Given specific guidelines and instruction, scan art catalog transparencies and arrange in files that can be accessed by instructor for presentations.
   7. Perform lab operation duties such as assisting students when appropriate and assisting with phone reception and other communications.

F. TEXTS AND OTHER READINGS (TYPICAL)

1. Other: Reference materials and lab manuals located in MJC Photo Lab; additional research often assigned on Internet.

III. DESIRED LEARNING

A. COURSE GOAL
As a result of satisfactory completion of this course, the student should be prepared to:

manage a photographic laboratory, including scheduling lab hours, acquiring and maintaining equipment, demonstrating equipment use, helping photographers prepare for exhibits, and coordinating multiple
simultaneous photographic activities within the lab.

B. STUDENT LEARNING GOALS
Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals
Upon satisfactory completion of this course, the student will be able to:

a. Perform elementary technical laboratory activities in the areas of black and white, and/or color photography.

b. Identify several photographic chemical processes in an assigned specific area of photo lab.

c. Identify several photographic chemical processes, procedures and principles important to laboratory work, i.e. cleanliness, accuracy of measurement, inventory of equipment, wet/dry areas, etc.

d. Demonstrate correct procedures in administering basic-level equipment use by students.

e. Identify appropriate equipment and materials needs of students working in the basic parts of the photographic lab.

f. Recall necessary safety rules and procedures.

g. Demonstrate the importance of setting schedules and honoring commitments.

h. Describe how their individual area of work is an integral part of the successful operation of a larger program.

i. Relate how knowledge gained from academic classes has practical application in the MJC Photo Lab as well as in similar commercial settings.

j. Access basic resource information about photographic materials and processes.

k. Identify, isolate and report problems before they become detrimental to the smooth running of a lab.

l. Assign areas according to manufacturers and industry standards, operate the appropriate equipment, which may include one or more of the following: print dryer, water temperature controls, print processors and print washers which are generally operated exclusively by lab technicians.

m. Outline and implement a specific project related to the photography lab activities and procedures.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT

1. Credit:
   1. Completion of 51 hours of laboratory work

2. Willingness to facilitate appropriate operation of MJC Photography Lab

3. Development/demonstration of initiative

4. Punctuality

5. Improvement in performance

6. Successful completion of assignments