San José State University
Art and Art History / Photography
Photo 122: Advanced Studio Lighting, Section 1, Fall 2015

Instructor: Sandra Frank
Office Location: Duncan Hall 401B
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Email: sandrafrankphotography@gmail.com
Office Hours: T/TH 11am-noon and by appointment
Class Days/Time: T/TH 3pm - 5:50 pm
Classroom: Duncan Hall 407
Prerequisites: Photo 121

For information about majors and minors in Art & Art History, for change of major/minor forms and a list of advisors go to: http://www.sjsu.edu/art/ or the Art & Art History department office in ART 116, 408-924-4320, art@sjsu.edu

Course Description
An advanced studio lighting course incorporating practices of professional photographic techniques that can be applied to commercial advertising photography or applied as fine art imagery. Training on professional level equipment is emphasized.

Learning Outcomes and Goals

Course Goals:
Photo 122 is an advanced course in studio lighting and the practices involved, when creating photographic images within a professional environment. Concentration will be placed on the photograph as a vehicle for communication that can be applied to the commercial world as advertising or product photography, or used as fine art imagery. A strong emphasis will be placed on creating a professional, cohesive portfolio. Advanced technical training will take place on professional level camera and strobe equipment.

It is the goal of this course to advance the student in the use of artificial lighting techniques in the studio. At this point, the student should be able to see beyond the subject/object being photographed and instead be able to see the light reflecting off of or transmitting through the object(s).

Advanced professional studio techniques in commercial photography and the aesthetic and technical concerns of effective visual perception and communication are learned through lectures, demonstrations and primarily advanced studio-shooting assignments. The subtlety of ‘creating images for yourself’ vs. ‘producing a creative image for your client’ is taught as well as the challenges encountered therein.

The successful completion of a final portfolio of six distinct studio images clearly showing the students own vision will be the compilation of the semesters work.

Course Learning Outcomes:
Upon successful completion of this course, students will be able to:

1. Master strobe lighting equipment. Advanced technical assignments will include stopping action, photographing reflective objects and shooting on location.
2. Create a professional body of work. Emphasis will be placed on developing the students’ individual style within the context of the final portfolio.

3. Understand the characteristics and the principles of light, and increase the ability to ‘see light’.


5. Utilize professional practices regarding propping studio shots in order to create a realistic environment in the studio, and work with ‘clients’.

6. Solve complex lighting problems in the studio.

**Required Text**

*Light: Science and Magic (An Introduction to Photographic Lighting)* by Fil Hunter and Paul Fuqua  
ISBN: 978-0415719407 ($33.70 on Amazon)

**Recommended Text**

*Still Life and Special Effects Photography* by Roger Hicks and Frances Schultz  
ISBN: 2-940361-30-4

**Server Information**

Assignments, readings, handouts and other information will be located on the department server where you may pick them up and print them out anytime you wish. Due to our efforts to make the School of Art and Design a “paperless” environment hard copies will NOT be handed out in class.

Our server address is: [http://photo.sjsu.edu](http://photo.sjsu.edu)

Once at the Photo department site, choose “resources” and then "Login" under “Instructional Course Materials.” This will bring up an interactive user window.

Your User ID is:  
Your Password is:

You will find materials for this course located in the “Frank” folder. Both the User ID and Password ARE case sensitive, so be sure to use lower case where indicated. Please let me know if you have problems accessing the site. Sometimes Safari doesn’t work well. Try another browser.

**Material requirements**

(Also available on server)

- The materials required for Photo 122 are the same as those from Photo 121 (Intro to Studio Lighting)
- Neutral density gels, are highly recommended but the student should be well equipped already.
- Jump Drive
- Fishing tackle box (or something similar) large enough for carrying supplies (a plastic one about 24” wide works well, available from ACE, Home Depot, OSH etc)
- Roll of 3/4 “ or 1” wide masking tape (black preferred, no drafting tape)
- Gaffers tape / duct tape
- Earthquake putty hold
- Spring clamps ~ the metal ones ~ NOT the plastic ones. At least two medium and two small.
☐ Scissors / Box knife / Exacto knife
☐ Canned air (CostCo - packaged together in group of 4 cans)
☐ Pot Holders or gloves
☐ Cotton towel - old kitchen towel works best!
☐ Window cleaner
☐ 30X40 White mat board
☐ 30X40 Black mat board

**PURCHASE AS TEAM:**
☐ Diffusion material:
  Frosted acetate or Frosted Plexiglass 4’x6’ (@ $150.00/sheet Tap Plastics in San Jose)
☐ Colored gels
☐ Neutral density gels

**Optional:**
☐ Hot shoe sync - necessary if you do not have a sync port on your camera (as opposed to the school cameras) and you want to use strobes. **(Photo 122 ONLY)**
☐ Small mirrors
☐ Reflectors: black, white, silver or gold
☐ Black velvet cloth
☐ Additional colored gels
☐ Fishing line
☐ Makeup for portraiture
☐ Wooden clothes pins (spring type)
☐ Small mirrors
☐ Cinefoil (Black Wrap)

**Course Requirements and Assignments**

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf).

- Five major technical shooting assignments pertaining to specific advanced lighting techniques or professional photographic situations. Accounts for 50% of final grade.
- A portfolio comprising of six unique images (not from assignments or nearly identical in nature) are required for the final project. 40% of final grade.
- Participation and a written paper. 10% of final grade.

**NOTE** that [University policy F69-24](http://www.sjsu.edu/senate/docs/F69-24.pdf) states that “Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.”

**Grading Policy**

Each technical assignment will have a criteria sheet in which the assignment will be explained as well as an explanation as to the technical aspects that will be considered in grading.
In general, grading will follow the criteria below. Since grading a photograph is not as didactic as grading a math exam, please pay careful attention to each assignment sheet as well as the comments of everyone during class critiques. Grade slips are given to students with comments and point totals for each assignment. Students are able to keep a tally of accumulated points throughout the semester from these grade slips. Please remember that grades reflect an opinion, not of you as a person, but of how well your assignment has been completed based on the criteria. Feel free to discuss the grade you receive at any time with me during my office hours or by appointment.

A general guideline for the grading of pictorial assignments is as follows:
Lighting and technique 65 points
Design and visual impact (and concept if applicable) 30 points
Assignment Files are labeled correctly 5 points
Missed critique / deadline - 20 points (none redeemable)

Assignments are to be uploaded onto the classroom computer IMMEDIATELY AT THE BEGINNING of class on the day of critique. Any assignment not ready to load at the beginning of critique (INCLUDING CORRECT FILE NAMING) will be graded as ‘missed deadline’. Assignments may be reshot to improve a grade, however missed-critique / deadline penalties are not redeemable.

FINAL SEMESTER GRADES will be tallied to the possible point totals as broken down below

<table>
<thead>
<tr>
<th>Grading Breakdown</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Successful completion of technical assignments (5 total–100 points possible for each)</td>
<td>500</td>
</tr>
<tr>
<td>Final portfolio of SIX finished digital images (These images will be graded on originality of subject matter, technical execution, aesthetic treatment of subject matter, and final presentation.)</td>
<td>400</td>
</tr>
<tr>
<td>Class participation (50pts) and Written Paper (50 pts)</td>
<td>100</td>
</tr>
<tr>
<td>Total Points Possible</td>
<td>1000</td>
</tr>
</tbody>
</table>

A+ = 1000-975 \ A = 974-925 \ A- = 924-900
B+ = 800-875 \ B = 874-825 \ B- = 824-800
C+ = 799-775 \ C = 774-725 \ C- = 724-700
D = 699-650 \ F = < 649

(+ and – grades are determined by exceptional or sup-par work pertaining to each assignments specific requirements)
Final grade totals may fluctuate depending on syllabus changes.

Critiques are an opportunity to apply critical analysis to your peers’ solutions of technical assignments. Critiques are to be used as a learning opportunity to query each other about process.

Describe, Interpret, Evaluate, Theorize.
LEARN FROM EACH OTHER.
All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades. See University Policy F13-1 at http://www.sjsu.edu/senate/docs/F13-1.pdf for more details.

**Classroom Protocol**

**Participation:** Class participation is essential. Late arrivals and absences are a consideration in final grading. Two late arrivals equal an absence, and three absences constitute zero class participation. If there are specific reasons you will miss more class than allowed, please feel free to discuss this with me.

Class participation includes being an active partner and constructively vocal during critiques. You WILL be deducted participation points for inappropriate cell phone use!

**Laptop Etiquette**

Laptop and other personal computing device usage is permissible during lecture for note taking and applicable Google searches; however, taking notes by hand (in your visual diary) is preferred. I AM HAPPY TO REPEAT AS NECESSARY!

During open lab time, one partner's laptop must be used for direct download of images only ~ NO CF cards are to be used in the schools cameras.

Please use your laptops in a respectful manner. Answering email, instant messaging, checking your Facebook account, running irrelevant Google searches or working on projects from other classes are all off limits. Please show respect for me and those around you. *Any disregard to this requirement will result in loss of any participation credit.*

**Cell Phone Etiquette**

Ringers on cell phones should be turned off during class time especially during critiques. If you occasionally forget, it's no big deal, but this is your warning that I, as the instructor, have the option of ANSWERING your phone if I choose (this goes for text messaging as well ~ I have texted back to moms, girl/boy friends, and bosses) and have had some interesting conversations to say the least. Leaving the class to take a call should only be done in emergencies. Again, please show respect for those around you.

**In Case of an Emergency**

In case of an emergency such as a natural disaster, hazardous situations, etc that require evacuating the building immediately, please evacuate down the nearest stairwell and reconvene on the side of Duncan Hall near the AS House. Leave all belongings if you must leave in a hurry ~ *they are replaceable, you are not.* Do not attempt to turn off studio lights etc. Classrooms are supposed to be locked by full-time faculty. Students will be notified by instructor as to when they may re-enter the building.

**Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester’s [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at http://info.sjsu.edu/static/catalog/policies.html.

Add/drop deadlines can be found on the [current academic calendar](http://www.sjsu.edu/academic_programs/calendars/academic_calendar/) web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/).

**University Policies**

**Academic Integrity**

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University’s Academic Integrity policy](http://www.sjsu.edu/senate/S07-2.htm), located at http://www.sjsu.edu/senate/S07-2.htm, requires you to be honest in all your academic
course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sa.sjsu.edu/judicial_affairs/index.html.
Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person’s ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy S07-2 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act
If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the Disability Resource Center (DRC) at http://www.drc.sjsu.edu/ to establish a record of their disability.

Student Technology Resources
Computer labs for student use are available in the Academic Success Center located on the 1st floor of Clark Hall and on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library.
A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include digital and VHS camcorders, VHS and Beta video players, 16 mm, slide, overhead, DVD, CD, and audiotape players, sound systems, wireless microphones, projection screens and monitors.

Learning Assistance Resource Center
The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to motivate them to become self-directed learners. The center provides support services, such as skills assessment, individual or group tutorials, subject advising, learning assistance, summer academic preparation and basic skills development. The LARC website is located at http://www.sjsu.edu/larc/

“You have to think anyway, so why not think big?”
Donald Trump
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/28</td>
<td>Welcome! Administration stuff / Fabulous Keynote Presentation! Final portfolio requirements / Supplies needed</td>
</tr>
<tr>
<td>2</td>
<td>2/2</td>
<td>Lecture: Portfolio / Visual thinking / Portfolio presentation / Create Teams</td>
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<tr>
<td></td>
<td>2/4</td>
<td>Demo: Strobe lighting overview/demo; Canon System Overview (if needed)</td>
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<tr>
<td>3</td>
<td>2/9</td>
<td>Demo: Strobe lighting overview/demo</td>
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<tr>
<td></td>
<td>2/11</td>
<td>Lecture: Stop Action</td>
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<tr>
<td></td>
<td></td>
<td>Receive: Technical Assignment ~ Stop Action</td>
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<tr>
<td></td>
<td>2/16</td>
<td>Studio: Assignment #1: Stop Action</td>
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<tr>
<td></td>
<td>2/18</td>
<td>Studio: Assignment #1: Stop Action</td>
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<tr>
<td>4</td>
<td>2/23</td>
<td>Studio: Assignment #1: Stop Action</td>
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<tr>
<td></td>
<td>2/25</td>
<td>Critique: Stop Action Assignment</td>
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<tr>
<td></td>
<td></td>
<td>Receive: Major Shooting Assignment #2: CD cover/Portrait ~ Due:</td>
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<tr>
<td>5</td>
<td>3/1</td>
<td>Studio: Assignment #2: CD cover / Portrait</td>
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<tr>
<td></td>
<td>3/3</td>
<td>Studio: Assignment #2: CD cover / Portrait</td>
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<tr>
<td>6</td>
<td>3/8</td>
<td>Studio: Assignment #2: CD cover / Portrait</td>
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<tr>
<td></td>
<td>3/10</td>
<td>Critique: Major Shooting Assignment #2: CD cover / Portrait</td>
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<tr>
<td></td>
<td></td>
<td>DEFINE FINAL PORTFOLIO</td>
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<tr>
<td>7</td>
<td>3/15</td>
<td>Lecture / Demo: Dealing with reflections</td>
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<tr>
<td></td>
<td>3/17</td>
<td>Receive: major Shooting Assignment #3: Reflective Objects ~ Due:</td>
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<tr>
<td>8</td>
<td>3/22</td>
<td>Studio: Assignment #3: Reflective Objects</td>
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<tr>
<td></td>
<td>3/24</td>
<td>See me regarding Shooting for a Client Assignment!</td>
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<tr>
<td>9</td>
<td>3/29</td>
<td>Studio: Assignment #3: Reflective Objects</td>
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<tr>
<td></td>
<td>3/31</td>
<td>Spring Break</td>
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<tr>
<td>10</td>
<td>4/5</td>
<td>Critique: Reflective Objects / Paper Due</td>
</tr>
<tr>
<td></td>
<td>4/7</td>
<td>Lecture: Working with clients – Getting the Job! / Receive Shooting for a Client Assign</td>
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<tr>
<td>Date</td>
<td>Event Description</td>
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<tr>
<td>4/12</td>
<td><strong>Studio:</strong> Assignment #4: Shooting for a Client</td>
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<tr>
<td>4/14</td>
<td><strong>Studio:</strong> Assignment #4: Shooting for a Client</td>
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<tr>
<td>4/19</td>
<td><strong>Studio — Assignment #5:</strong> Location Shoot (50pts) (Subject to location availability) - OR - Studio: Final Portfolio</td>
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<tr>
<td>4/21</td>
<td><strong>Studio — Assignment #5:</strong> Location Shoot (50pts) (Subject to location availability) - OR - Studio: Final Portfolio</td>
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<tr>
<td>4/26</td>
<td>Critique: Location Shoot</td>
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<tr>
<td>4/28</td>
<td><strong>Studio:</strong> Final Portfolio</td>
<td></td>
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<tr>
<td>5/3</td>
<td><strong>Studio:</strong> Final Portfolio</td>
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<tr>
<td>5/5</td>
<td><strong>Studio:</strong> Final Portfolio</td>
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<tr>
<td>5/10</td>
<td><strong>Studio:</strong> Final Portfolio</td>
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<tr>
<td>5/12</td>
<td><strong>Studio:</strong> Final Portfolio</td>
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<tr>
<td>5/23</td>
<td><strong>LAST DAY OF INSTRUCTION ~ Studio:</strong> Final Portfolio</td>
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<tr>
<td>Friday May 20 9:45-noon</td>
<td><strong>FINAL Critique and Potluck!</strong></td>
<td></td>
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</tbody>
</table>

Schedule subject to change. Notice will be given in class or via email.