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
Concepts and principles of lighting using both daylight and incandescent light sources and the use of standard studio lighting equipment.

Course Goals and Learning Objectives
It is the goal of this course to introduce the student to artificial lighting techniques in the studio. Gaining knowledge of how light works while developing the ability to interpret the light reflecting off of or transmitting through the subject(s) is the primary objective of this class and this instructor. Professional studio practices in commercial and fine art photography and the aesthetic and technical concerns of effective visual perception and communication are learned through lectures, demonstrations and studio-shooting assignments.

Course Learning Outcomes (CLO)
By completing three technical exercises (with a partner) and four individual major shooting assignments, the student will be well prepared to produce a final portfolio of six studio images suitable to the students own vision.

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

1) ‘See light’; understand the characteristics and the principles of light.
2) Create ‘natural’ light in the studio; visually define/describe/display, shape, texture and volume of three dimensional objects in a two-dimensional space.
3) Define emotion through portraiture based on lighting theory.
4) Define shape and volume of transparent objects.
5) Professional practices will be applied regarding propping of studio shots while creating a realistic environment.

Required Text
• Light: Science and Magic (An Introduction to Photographic Lighting) by Fil Hunter and Paul Fuqua
  ISBN: 978-0415719407  ($33.70 on Amazon)
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
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
Handout is also available on the server.

☐ 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.

✔ Three technical preparatory studio-shooting assignments are the basis for understanding the
characteristics and principles of light. Accounts for 15% of final grade.
✔ Four major shooting assignments refine students’ abilities to translate skills learned in
preparatory assignments by applying principles to specific situations. Accounts for 40% of final
grade.
✔ A portfolio comprising of six images are required for the final project. 25% of final grade.
✔ A mid-term based on lectures, reading assignments and shooting experience. 10% of final
grade.
✔ Several reading assignments corresponding to technical and major shooting assignments and
participation in critiques. 10% of the final grade.

Grading Policy

Generally, grading is based on the criteria below. Since grading a photograph is not as didactic as
grading a math exam, please pay careful attention to the comments of everyone during class critiques.
Feel free to discuss the reasons for your grade with me at any time.

Assignments are due at the beginning of the class session and are graded as “missed deadline” if
handed in after a ten-minute grace period, this pertains to students coming to critique beyond
the 10 minute grace period unless prior notice is given to instructor.

Assignments may be reshot to improve a grade, however missed-critique / deadline penalties are not
redeemable. Deadlines: Meeting deadlines is a given in any professional career. Therefore, meeting
each critique deadline is imperative. Assignments are due at the BEGINNING of class, otherwise they
will be considered “missed”. Obviously, do not procrastinate.

A general guideline for the grading of pictorial assignments is as follows:
Lighting and technique 70 points
Design and visual impact (and concept if applicable) 25 points
Assignment Files are labeled correctly 5 points
Missed critique / deadline - 20 points (none redeemable)

Each assignment will have specific requirements that may change the general guideline above, so
please read each assignment sheet carefully.

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 above criteria. The critique should give you a good
basis for understanding how each assignment has been graded, but if it doesn’t, feel free
to ask for a more detailed explanation.

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.
The following list shows a breakdown of the possible points earnable throughout the semester and the Final semester letter grade attached (provided there are not any syllabus changes):

<table>
<thead>
<tr>
<th>Grading Breakdown</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>√ Successful completion of technical assignments (3 total – 50 points possible each)</td>
<td>150</td>
</tr>
<tr>
<td>√ Four major shooting assignments (100 pts each)</td>
<td>400</td>
</tr>
<tr>
<td>√ Final Portfolio - Six <em>new and different</em> studio images</td>
<td>250</td>
</tr>
<tr>
<td>√ Mid-term Exam</td>
<td>100</td>
</tr>
<tr>
<td>√ Reading Assignments (50pts) / Class participation (50pts)</td>
<td>100</td>
</tr>
<tr>
<td><strong>Total Points Possible</strong></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>

A+ = 1000-975  A = 974-950  A- = 949-925  B+ = 924-875  B = 874-825 
B- = 824-775  C+ = 774-725  C = 724-675  D = 674-600  F = <599

Final grade totals may fluctuate depending on syllabus changes.

**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 section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic calendar web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The Late Drop 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 at 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, 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/

“If you always do what you’ve always done, you’ll always get-what-you-always-got.”

George W. Bush
**Human salvation lies in the hands of the creatively maladjusted.**

*Martin Luther King, Jr*

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/20</td>
<td>Welcome! Administration stuff / Studio tour / Powerpoint Presentations  &lt;br&gt;<strong>Lecture:</strong> Equivalent Exposure / Meters / Material Ordering / Monitor calibration</td>
</tr>
<tr>
<td>2</td>
<td>8/25</td>
<td>Demo: Canon Mark II and shooting tethered / Calibrate monitors / Create Teams  &lt;br&gt;<strong>Lecture:</strong> Principles of Light ~ DON’T MISS THIS ONE!  &lt;br&gt;<em><strong>THE MOST IMPORTANT LECTURE OF YOUR CAREER</strong></em>  &lt;br&gt;Receive Technical Assignment #1: Seeing the Light  &lt;br&gt;Read: Chapters 1 and 2</td>
</tr>
<tr>
<td></td>
<td>8/27</td>
<td></td>
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<tr>
<td>3</td>
<td>9/1</td>
<td><strong>Studio:</strong> Technical Assignment #1: Seeing the Light  &lt;br&gt;Due: Technical Assignment #1: Seeing the Light  &lt;br&gt;Receive Technical Assignment #2 &amp; #3: Cube and Sphere  &lt;br&gt;Read: Chapter 5 to page 123</td>
</tr>
<tr>
<td>4</td>
<td>9/8</td>
<td><strong>Studio:</strong> Technical Assignment #2: Cube  &lt;br&gt;Due: Technical Assignment #2: Cube  &lt;br&gt;Studio: Technical Assignment #3: Sphere</td>
</tr>
<tr>
<td>5</td>
<td>9/15</td>
<td><strong>Due:</strong> Technical Assignment #3: Sphere  &lt;br&gt;Lecture/Demo: Studio Portraits  &lt;br&gt;Receive: Major Shooting Assignment #1: Portrait ~ Due: 9/24  &lt;br&gt;Read: Chapter 8</td>
</tr>
<tr>
<td></td>
<td>9/17</td>
<td><strong>Studio:</strong> Portrait</td>
</tr>
<tr>
<td>6</td>
<td>9/22</td>
<td><strong>Studio:</strong> Portrait</td>
</tr>
<tr>
<td></td>
<td>9/24</td>
<td><strong>Critique:</strong> Major Shooting Assignment #1: Portrait</td>
</tr>
<tr>
<td>7</td>
<td>9/29</td>
<td><strong>Lecture:</strong> High Key / Low Key and ‘Don’t forget Equivalent Exposure, DOF  &lt;br&gt;Receive: Major Shooting Assignment #2: High Key / Low Key ~ Due: 10/13  &lt;br&gt;<em><strong>DEFINE FINAL PORTFOLIO</strong></em></td>
</tr>
<tr>
<td></td>
<td>10/1</td>
<td><strong>Studio:</strong> High Key / Low Key</td>
</tr>
<tr>
<td>8</td>
<td>10/6</td>
<td><strong>Studio:</strong> High Key / Low Key</td>
</tr>
<tr>
<td></td>
<td>10/8</td>
<td><strong>Studio:</strong> High Key / Low Key</td>
</tr>
<tr>
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</tr>
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</tbody>
</table>
| 9    | 10/13  | **Critique**: Major Shooting Assignment #2: High Key / Low Key  
Tuesday Night Lecture Series: Annu Palakunnathu Matthew |
|      | 10/15  | **MID-TERM EXAM**  
*Lecture*: Glassware  
*Receive*: Major Shooting Assignment #3: Glassware ~ Due: 10/29  
*Read*: Chapter 7 |
| 10   | 10/20  | *Studio*: Glassware  
10/22  | *Studio*: Glassware |
| 11   | 10/27  | *Studio*: Glassware  
10/29  | **Critique**: Major Shooting Assignment #3: Glassware  
*Lecture*: Environmental / Time of Day  
*Receive*: Major Shooting Assignment #4: Environmental/Time of Day ~ Due: 11/12 |
| 12   | 11/3   | *Studio*: Environmental / Time of Day  
11/5   | *Studio*: Environmental / Time of Day |
| 13   | 11/10  | *Studio*: Environmental / Time of Day  
11/12  | **Critique**: Major Shooting Assignments #4: Environmental / Time of Day  
*Read*: Chapter 9 |
| 14   | 11/17  | *Studio*: Final Portfolio  
11/19  | *Studio*: Final Portfolio |
| 15   | 11/24  | *Studio*: Final Portfolio  
11/26  | Thanksgiving |
| 16   | 12/1   | *Studio*: Final Portfolio  
12/3   | *Studio*: Final Portfolio |
|      | 12/8   | Last Day of Instruction / Critique |
| Final Exam | Friday Dec 11  
9:45am - NOON | **FINAL Critique and POTLUCK!** |

As always, this syllabus is subject to change. Students will be notified in class or via email of any changes.