

San José State University
Department of Art & Art History
PHOT121-03 (49809) Introduction to Studio Lighting – Fall 2021

Course and Contact Information

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| Instructor: | Jonathan Fung, Ph.D. |
| Office Location: | Duncan Hall, Room 401D |
| Telephone: | <i>Please email</i> |
| Email: | jonathan.fung@sjsu.edu |
| Office Hours: | Wednesday, 11:00-12:00PM and by Appointment Thursday, 11:30-12:30PM |
| Class Days/Time: | Monday/Wednesday, 12:30-3:20PM |
| Classroom: | Duncan Hall, Room 409 |
| Department Office: | Art 116 |
| Department Contact: | Website: www.sjsu.edu/art Email: art@sjsu.edu http://photo.sjsu.edu/faculty/jonathan-fung/ |

Embrace light. Admire it. Love it. But above all, know light. Know it for all you are worth, and you will know the key to photography. – George Eastman

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the [Canvas Learning Management System course login website](#) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through [MySJSU](#) at <http://my.sjsu.edu> (or other communication system as indicated by the instructor) to learn of any updates.

Course Description

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

Course Content and 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. 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 shooting assignments, the student will be well prepared to produce a final portfolio suitable to the student's own vision.

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

CLO1 See light; understand the characteristics and the principles of light.

CLO2 Create 'natural' light in the studio; visually define/describe/display, shape, texture and volume of three-dimensional objects in a two-dimensional space.

CLO3 Define shape and volume of transparent objects.

CLO4 Understand the importance of remote capture.

CLO5 Use Lightroom to capture, edit, organize, and enhance images.

CLO6 Professional practices will be applied regarding preparing 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 5th Edition
ISBN: 978-0415719407

Check out learning.oreilly.com, which will offer a free PDF download.

Adobe Software Programs - San José State provides currently enrolled students in eligible classes, faculty, staff and administrators with free Adobe software for their campus computers and their home computers. The software may only be used for education-related activities and may not be used for commercial purposes. You must have an active [SJSUOne](https://sjsuone.sjsu.edu) ID and password to qualify for ordering and downloading this software.

For More Information

To request access or for information and other resources on Creative Cloud, please visit [eCampus Adobe page](#).

Required Materials

- Laptop: You are required to have your own laptop computer to take this course.
- Adobe Lightroom CC Classic (available free through MYSJSU SPARTAN APPS PORTAL)
- USB Flash Drive: 16GB minimum
- Fishing tackle box (or something similar) large enough for carrying supplies (a plastic one about 24" wide works well, available at Home Depot or Lowe's)
- Spring clamps ~ the metal ones ~ NOT the plastic ones. At least two medium and two small clamps
- 10 wooden clothes pins (C47's)
- Scissors or Box knife
- Gaffers or garden gloves
- Cotton towel - old kitchen towel works best
- Glass cleaner
- Black 1" gaffer's tape
- Diffusion material – Half Tough Spun #263
- Neutral density gel #209

Optional

Canned air

Hurricane blower

Make-up

Props – fabrics, glass, beads, texture

Flashlight

Suggested Local Vendor

Foto Express (Henry Chang) - 304 E Santa Clara Street, San Jose, (408) 971-3977

Library Liaison

Gareth Scott

Email: gareth.scott@sjsu.edu

Dr. Martin Luther King, Jr. Library

4th Floor Administration Offices

Phone: (408) 808-2094

Art and Art History Resources: <https://libguides.sjsu.edu/Art>

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 at <http://www.sjsu.edu/senate/docs/S12-3.pdf>

Class Participation

Your participation in the form of regular involvement in activities and discussions is not only required but mandatory. This includes asking questions, which can have a positive effect on your class participation grade. *You are expected to attend all critiques, whether or not you have work to show. Failure to do so could negatively affect your class participation grade.* Your voice is critical to the success of this class. If you are experiencing extenuating circumstances it is your responsibility to make me aware of your situation when it occurs. Try to be proactive and communicate throughout the semester.

Final Examination

The Final Exam is a required class. Missing it may result in not passing the class despite all previous work turned in. **The Final Exam is on Tuesday, December 14 at 7:15-9:30AM on Zoom.**

Determination of Grades

I strongly encourage risk-taking and thoughtful experimentation, which will help increase your course grade. Your assignments will be graded on your creativity, technical achievements and your creative solutions to the challenges given. The work created in class will be evaluated based on the following criteria:

A - Excellent: Thoughtful and intelligent ideas presented in a clear, organized, and engaging manner; among the very best.

B - Above Average: The ideas are interesting and successfully presented; shows potential, but not necessarily distinctive; roughly equal in quality to the majority of work completed by other students.

C - Average: Achieves minimum requirements of the assignment, but not particularly clear, nor ambitious. Quality of work is below that of most other projects submitted. May be above average idea presented in incomplete state.

D – Below Average: Does not satisfy the minimum requirements of the assignment.

F – Unsatisfactory: Did not submit an assignment.

Participation Grade can be adversely affected by missing class, showing up late, sleeping, on your device, being a distraction, and being an unengaged member of the class.

Projects

3 Technical Exercises = 150 points

4 Shooting Assignments = 400 points

Participation = 100 points (includes class discussions, critiques, exercises, collaboration, engagement)

Total Possible Points: 650 points

Late assignments will only be accepted under unusual, extenuating, or emergency circumstances. Documented personal, family and health emergencies will be considered and evaluated. You must provide official documentation when you return to class after an absence. An excused absence or extension will be at the discretion of the instructor.

Grading Scale

All assignments have clear criteria and objectives to meet. All students shall be treated equitably. The criteria for determining a student's grade shall be as follows on a percentage of the total points:

| Letter Grade | Grade Point | Percentage |
|--------------|-------------|------------|
| A | 4.0 | 93-100% |
| A- | 3.7 | 90-92% |
| B+ | 3.3 | 87-89% |
| B | 3.0 | 83-86% |
| B- | 2.7 | 80-82% |
| C+ | 2.3 | 77-79% |
| C | 2.0 | 73-76% |
| C- | 1.7 | 70-72% |
| D+ | 1.3 | 67-69% |
| D | 1.0 | 60-66% |
| F | 0.0 | 0-59% |

Classroom Protocol

All students are expected to conduct themselves in a professional manner conducive to a university learning environment. This includes being on-time to class. You will be expected to be on time, engaged and present throughout class meetings, critiques, lectures, shooting assignments and lab. Students are encouraged not only to engage with their instructor regarding their work, but also with the other students within the class.

Participation in group critiques is both expected and mandatory.

Laptop Etiquette

Laptop usage beyond tether capturing and editing photographs for this class is prohibited.

Cell Phone Etiquette

Cell phone use is absolutely prohibited in class.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>"

Academic integrity - Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy F15-7 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. Visit the Student Conduct and Ethical Development website for more information.

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 Accessible Education Center (AEC) to establish a record of their disability.

Student Technology Resources

Computer labs and other resources for student use are available in:

- Academic Success Center at <http://www.sjsu.edu/at/asc/> located on the 1st floor of Clark Hall
- Academic Technology Computer Center at <http://www.sjsu.edu/at/hd/> on the 1st floor of Clark Hall
- Associated Students Computer Services Center at <http://as.sjsu.edu/ascs/> on the 2nd floor of the Student Union
- Student Computing Services at <http://library.sjsu.edu/student-computing-services/student-computing-services-center>
- Computers at the Martin Luther King Library for public at large at <http://library.sjsu.edu/reserve-studymeeting-room/computers-king-library>
- Additional computer labs may be available in your department/college

A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiotape players; sound systems, wireless microphones, projection screens and monitors.

SJSU Peer Connections

Peer Connections' free tutoring and mentoring is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. Peer Connections tutors are trained to provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group and individual tutoring are available. Peer Connections mentors are trained to provide support and resources in navigating the college experience. This support includes assistance in learning strategies and techniques on how to be a successful student. Peer Connections has a learning commons, desktop computers, and success workshops on a wide variety of topics. For more information on services, hours, locations, or a list of current workshops, please visit Peer Connections website at <http://peerconnections.sjsu.edu> for more information.

SJSU Writing Center

The SJSU Writing Center is located in Clark Hall, Suite 126. All Writing Specialists have gone through a rigorous hiring process, and they are well trained to assist all students at all levels within all disciplines to become better writers. In addition to one-on-one tutoring services, the Writing Center also offers workshops every semester on a variety of writing topics. To make an appointment or to refer to the numerous online resources offered through the Writing Center, visit the Writing Center website at <http://www.sjsu.edu/writingcenter>. For additional resources and updated information, follow the Writing Center on Twitter and become a fan of the SJSU Writing Center on Facebook. (Note: You need to have a QR Reader to scan this code.)

Accommodation to Students' Religious Holidays

University Policy S14-7 states that San José State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed.

Consent for Recording of Class and Public Sharing of Instructor Material

University Policy S12-7, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
 - It is suggested that the green sheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
 - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

Department Advising

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

SJSU Counseling Services

The SJSU Counseling Services is located on the corner of 7th Street and San Fernando Street, in Room 201, Administration Building. Professional psychologists, social workers, and counselors are available to provide consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit Counseling Services website at <http://www.sjsu.edu/counseling>.

Building Access

As a reminder, all buildings on campus are locked and require your Tower ID card to access buildings on campus. We realize the start of the semester is also a transitional period where many individuals may be receiving their Tower ID card. As a result, we will ensure buildings remain unlocked for the first two weeks of the semester during times classes, programs, and activities take place. Starting Monday, September 6, your Tower ID card will be required to access buildings. If you do not have a Tower ID card, please contact the [Tower ID card office](#). If your Tower ID card is malfunctioning, please contact the [FD&O Customer Service Center](#).

Emergency phone numbers

Emergency: 911; Escort Service: 42222

PHOT121-03 (49809) Intro to Studio Lighting Course Schedule-Fall 2021

Schedule is subject to change with fair notice. Notice will be given verbally in class and sent via email.

Course Schedule

| Week | Date | Topics, Readings, Assignments, Deadlines |
|------|-----------------------------|--|
| 1 | Mon 8/23 Zoom Classroom | Welcome! Intros, class overview & expectations, syllabus, equipment, materials & lockers. Complete equipment check-out form and survey. |
| 2 | Wed 8/25 Zoom Classroom | Exposure Triangle Order Materials by 8//30 <i>Read chapters 1, 2</i> |
| 2 | Mon 8/30 | Principles of Light Introduce Technical Exercise 1: Portrait Demo: Canon 6D & tether capture to Lightroom (remote capture) Set-up Studio <i>Read chapter 8</i> |
| 3 | Wed 9/1 | Studio - Shoot Technical Exercise 1 – Portrait <i>Read chapter 11</i> |
| 3 | Mon 9/6 | No Class – Labor Day |
| 4 | Wed 9/8 | DUE: Technical Exercise 1: Portrait (Canvas) Introduce Technical Exercise 2: Cube Demo Cube <i>Read chapter 5 to page 123</i> |
| 4 | Mon 9/13 | Studio – Shoot Technical Exercise 2: Cube |
| 5 | Wed 9/15 | DUE: Technical Exercise 2: Cube (Canvas) Introduce Technical Exercise 3: Glass Demo Glass <i>Read chapter 3 & 7</i> |
| 5 | Mon 9/20 | Studio – Shoot Technical Exercise 3: Glass Bring diffusion material, neutral density gel & black gaffers tape |
| 6 | Wed 9/22 Zoom Classroom | DUE: Technical Exercise 3: Glass (Canvas) Critique Technical Exercises 1, 2, 3 Pre-production Creating a home studio |
| 6 | Mon 9/27 Zoom Classroom | Introduce Assignment 1: Beauty Product Create pre-production Review readings |
| 7 | Wed 9/29 Zoom Classroom | Home Studio – Shoot Assignment 1: Beauty Product |
| 7 | Mon 10/4 Zoom Classroom | DUE: Assignment 1: Beauty Product + Critique |
| 8 | Wed 10/6 Zoom Classroom | Introduce Assignment 2: Identity 3-point lighting Finish Assignment 1 Critique |
| 8 | Mon 10/11 Zoom Classroom | Home Studio – Shoot Assignment 2: Identity 1:1 Student Conferences |

| Week | Date | Topics, Readings, Assignments, Deadlines |
|-------------|---|---|
| 9 | Wed 10/13 Zoom Classroom | Home Studio – Shoot Assignment 2: Identity 1:1 Student Conferences |
| 9 | Mon 10/18 Zoom Classroom | DUE: Assignment 2: Identity + Critique |
| 10 | Wed 10/20 Zoom Classroom | Introduce Assignment 3: Food Food Photography Tips Natural & Studio Lighting Design Elements |
| 10 | Mon 10/25 Zoom Classroom | 1:1 Student Conferences |
| 11 | Wed 10/27 Zoom Classroom | 1:1 Student Conferences |
| 11 | Mon 11/1 | Studio – Shoot Assignment 3: Food |
| 12 | Wed 11/3 | Studio – Shoot Assignment 3: Food |
| 12 | Mon 11/8 | Studio – Shoot Assignment 3: Food |
| 13 | Wed 11/10 Zoom Classroom | DUE: Assignment 3: Food + Critique Introduce Assignment 4: Editorial |
| 13 | Mon 11/15 Zoom Classroom | 1:1 Student Conferences Pitch Concept with Pre-production |
| 14 | Wed 11/17 Zoom Classroom | 1:1 Student Conferences Pitch Concept with Pre-production |
| 14 | Mon 11/22 | Open Studio – Shoot Assignment 4: Editorial |
| | Wed 11/24 | No Class – Thanksgiving Break! |
| 15 | Mon 11/29 | Open Studio – Shoot Assignment 4: Editorial |
| 15 | Wed 12/1 | Open Studio – Shoot Assignment 4: Editorial |
| | Mon 12/6 Zoom Classroom | DUE: Assignment 4: Editorial + Critique |
| 16 | Tues, Dec 14 7:15-9:30AM Zoom Classroom | Final Exam Finish Assignment 5 Critique Celebrate Class Accomplishments |