

Tompkins Cortland Community College

Master Course Syllabus

Course Discipline and Number: ART 255

Year: 2022-2023

Course Title: Lighting Principles

Credit Hours: 3

I. Course Description:

This course introduces studio lighting as a tool to produce unique, creative photographs in a studio environment and on-site locations. Assignments include lighting for portraiture, still life, and architectural spaces. Techniques studied include studio strobes, on-camera flash, digital camera functions, optimizing images in Photoshop, and analysis and discussion of the masters of studio lighting. A digital camera is required. Prerequisite: ENGL 099 or prior completion or concurrent enrollment in ESL 120, 121 and 122 if required by placement testing; MATH 090 and RDNG 099 if required by placement testing; prior completion of ART 111 or permission of the instructor. 3 Cr. (2 Lec., 2 Lab) Spring semesters.

II. Additional Course Information:

<ul style="list-style-type: none">• ART 255 can be used for the Restricted Elective in the Photography Program.
<ul style="list-style-type: none">• Students must have a digital camera with adjustable aperture, shutter, ISO, and focus. No cameras are available for rent.
<ul style="list-style-type: none">• The course requires one 50 sheet box of Epson Ultra Premium Luster Photo Paper. (Approximate cost from the bookstore is \$40. This product is available from other suppliers at various prices.)
<ul style="list-style-type: none">• Students will be required to work independently in the TC3 lighting studio approximately four hours per assignment.

III. Student Learning Outcomes

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

1. Use direction, control, and modification of lighting effects appropriate to subject matter.
2. Use a variety of electronic lighting tools including tungsten lights, studio strobes, LED lighting, on-location kits, and speed lights.
3. Apply formal visual skills, conceptual skills, and aesthetic judgment in the creation of studio photographs.
4. Explain artistic, commercial, and journalistic applications of studio lighting in the context of contemporary photography and the history of photography.
5. Understand the methods of critiquing images, and verbally interpret and evaluate their own work, the work of their peers, and the work of contemporary and historical photographers.
6. Use an incident light meter effectively.
7. Use digital camera functions including exposure, white balance, depth of field, and various focal lengths for desired image qualities.
8. Apply printing expertise including the understanding of ICC profiles and working in a color-managed environment.
9. Use Photoshop to edit RAW files.

IV. Tompkins Cortland General Education & SUNY Competency Goals

Critical thinking (Tompkins Cortland GE Goal; SUNY Competency)

The primary emphasis throughout the course is on the production of unique and creative visual solutions to the assignment problems. Solving subjective and sometimes abstract visual studio lighting problems requires students to develop their ability to establish a meaningful questioning system. Students apply assignment criteria, personal knowledge, judgment, and interpretation; they consider the opinions of others to reach informed conclusions on the success of their assignment solutions. Group critiques of student work encourage the expression of diverse opinions, the sharing of viewpoints, the resolving of constructive and critical feedback, and an application of analysis and reason. The class lectures and discussions of the works of established photographers often invite comparison and contrast of different viewpoints.

Social/Global Awareness

Information Management

Students gain in-depth experience in the use of personal computers and Photoshop image editing software to organize, select, tag, rate, optimize, and share digital image files. The use of the internet and the library as research tools help students gather studio lighting images by contemporary and historical photographers for class presentations and assignment inspiration.

This course does not address either of these Tompkins Cortland or SUNY General Education Goals.

V. Essential Topics/Themes

1. Introduction to Lighting Principles
2. A History of Studio Lighting
3. Artistic, Commercial, and Editorial Uses of Studio Lighting in Contemporary Photography
4. Studio Lighting Options: Tungsten, Studio Strobe, LED, On-location Kits, Speed Lights
5. Direction, Control, and Modification of Studio Lighting
6. Constructing Meaning Through Portraiture and Still Life
7. Incident Metering Techniques
8. Digital Camera Techniques
9. Editing RAW files in Photoshop
10. Digital Printing

VI. Methods of Assessment/Evaluation

Method	% Course Grade
<ul style="list-style-type: none">The photographs that students make will be evaluated using specific criteria developed for each assignment. These criteria will address technical, conceptual, visual, creative, intellectual, and aesthetic concerns.	50-70%
<ul style="list-style-type: none">Tests, papers, and participation in class discussions will establish the students' knowledge of studio lighting.	10-30%
<ul style="list-style-type: none">Group critiques for every assignment will establish the students' abilities to discuss and evaluate photographs, and respond to constructive and critical feedback.	10-30%

VII. Texts – indicate whether required or recommended and note if used for more than one course (list courses)

Required:

Light—Science & Magic: An Introduction to Photographic Lighting, F. Hunter et. al., © Focal Press, 2012.
ISBN: 9780240812250

Editions listed are current as of date of syllabus. More recent editions may be used.

VIII. Bibliography of Supplemental Materials

1. Aquatique / photographs by Brian Oglesbee, B. Oglesbee, © Insight Editions, 2007. ISBN: 9781933784175
2. Samaras: The Photographs of Lucas Samaras, L. Samaras, © Farrar, Straus and Giroux, 1987.
ISBN: 0893812412
3. Richard Avedon Photographs, 1946-2004, R. Avedon, © Louisiana Museum of Modern Art, 2007.
ISBN: 9788791607493
4. Beneath the Roses, G. Crewdson, © Harry N. Abrams, 2008. ISBN: 9780810993808
5. Class Pictures, D. Bey, © Aperture, 2007. ISBN-10: 1597110434
6. Prom / Mary Ellen Mark, M. E. Mark, © J.Paul Getty Museum. 2012. ISBN: 9781606061084
7. Women / Annie Leibovitz, A. Leibovitz, © Random House, 1999. ISBN: 0375500200
8. Photography, B. London et. al. 12th edition, © Pearson, 2016. ISBN: 0134482026
9. Location Lighting Solutions: Expert Professional Techniques for Artistic and Commercial Success, J. Neubart, © Amphoto Books, 2006. ISBN: 081745909X
10. Stopping Time: The Photographs of Harold Edgerton, H. Edgerton, © Harry N. Abrams, 2000.
ISBN: 0810927179

Editions listed are current as of date of syllabus. More recent editions may be used.

IX. Other Learning Resources

Audiovisual

Many presentations on studio photographers are available on YouTube.

Electronic

The TC3 Photography Open Lab has internet access.

Other

The Photography Program budgets for visiting artists/speakers each year.

The Photography Program provides opportunities for students to exhibit their photographs in numerous venues including the Photography Program Gallery, and in the offices of the President, the Provost, Campus Technology, and the College Teaching Center.

The Herbert F. Johnson Museum of Art is nearby and frequently presents free public programs with nationally recognized artists, and maintains an active photography exhibition schedule.

Light Work in Syracuse is a forty-five-minute drive, and presents photography lectures, workshops, and exhibits.

The Eastman Museum in Rochester is a ninety-minute drive, and specializes in exhibits of contemporary and historical photography.

Attendance Policy: *To maintain good grades, regular attendance in class is necessary. Absence from class is considered a serious matter and absence never excuses a student from class work. It is the responsibility of all instructors to distribute reasonable attendance policies in writing during the first week of class. Students are required to comply with the attendance policy set by each of their instructors. Students are not penalized if they are unable to attend classes or participate in exams on particular days because of religious beliefs, in accordance with Chapter 161, Section 224-a of the Education Law of the State of New York. Students who plan to be absent from classroom activity for religious reasons should discuss the absence in advance with their instructors. See college catalog for more information.*

Services for Students with Disabilities: *It is the College's policy to provide, on an individual basis, appropriate academic adjustments for students with disabilities, which may affect their ability to fully participate in program or course activities or to meet course requirements. Students with disabilities should contact the Coordinator of Access and Equity Services, to discuss their particular need for accommodations. All course materials are available in alternate formats upon request.*

Academic Integrity: *Every student at Tompkins Cortland Community College is expected to act in an academically honest fashion in all aspects of his or her academic work: in writing papers and reports, in taking examinations, in performing laboratory experiments and reporting the results, in clinical and cooperative learning experiences, and in attending to paperwork such as registration forms.*

Any written work submitted by a student must be his or her own. If the student uses the words or ideas of someone else, he or she must cite the source by such means as a footnote. Our guiding principle is that any honest evaluation of a student's performance must be based on that student's work. Any action taken by a student that would result in misrepresentation of someone else's work or actions as the student's own — such as cheating on a test, submitting for credit a paper written by another person, or forging an advisor's signature — is intellectually dishonest and deserving of censure.

Several degree programs offer student learning opportunities (such as internships, fieldwork, and clinical experiences) outside the standard classroom setting. As part of the learning process, students must understand and engage in conduct that adheres to principles guiding employment within the professional workplace. These behaviors include, but are not limited to, academic integrity, accountability, reliability, respect, use of appropriate language and dress, civility, professional ethics, honesty, and trustworthiness. Disciplinary action may be initiated for inappropriate conduct occurring while participating in any course-related project or event.