

ACADEMIC FREEDOM STATEMENT

Brooks Institute is committed to protecting and encouraging the principles of academic freedom. Academic freedom provides the foundation for scholarship, teaching and learning, and reflects the Institutes fundamental mission to promote collaboration, critical thinking, and creativity. Essential elements for the intellectual vitality of a college include: the ability to exchange ideas and concepts freely, to explore and disseminate new knowledge, and to speak openly as a professional and as a private citizen. All are encouraged to promote a learning environment that provides opportunities for the free exchange of ideas between faculty, staff and students.

Programmatic Student Learning Outcomes/Mission

The mission of the Bachelor of Fine Arts Degree in Professional Photography program is to prepare students for careers in the field of professional photography through a philosophy of "learning by doing." The program is designed to educate all students in basic and intermediate photographic skills through a shared Lower Division. Students develop a creative style and visual problem-solving skills while engaging in specialized market areas and techniques in the Upper Division. The program integrates liberal arts, professional business practices and ethics with a core photography and media production curriculum that prepares students for the creative, business, and technical challenges of a professional photography career.

Program Description

The 120 semester credit Bachelor of Fine Arts in Professional Photography prepares students for careers in the field of professional photography. The cross-platform philosophy combined with the experiential learning provided by professional photographers/ instructors provides a unique and innovative technical education that develops graduates with a creative style and unique visual problem-solving skills. The program combines 75 semester credits of core photography classes, including business course work, and 45 semester credits of general education studies.

Upon Completion of the Professional Photography Program, students should be able to:

- Effectively use contemporary photographic tools. (Visual Literacy, Adept)
 - Effectively use photographic media and asset management software. (Adept)
 - Effectively collaborate to accomplish professional goals. (Collaboration)
 - Develop and implement an effective marketing program. (Problem Solver)
 - Understand professional business and ethics standards. (Ethics)
 - Apply creative and sophisticated visual solutions to the challenges of producing visual media. (Problem Solver, Visual Literacy)
 - Apply effective professional communication skills. (Communication)
 - Develop a lifelong learning pattern. (Adept)
 - Understand the principals of business management. (Problem Solver, Adept)
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Course Title **Lighting Theory**

Course Code **PTT130**

Credit Hours 3 Semester

Contact Hours 4 Hours

Prerequisites PTT111

Course Syllabus

Course Type	Lecture/Studio
Instructor	Paul Meyer
Email	PMeyer@brooks.edu
Telephone	(805) 858- 8066
Term Start/End Date	September 8 – December 18, 2015

Course Description

This course is designed to develop understanding and control of lighting and the practical application of various qualities of light in any environment. The emphasis of this course is location lighting. Situations are studied to understand limitations, advantages, and disadvantages of various lighting environments and methods. Portable electronic flash is used extensively in this course. Development of student skills in digital imaging continues.

Learning Objectives

Upon completion of this course the student should be able to:

- Identify the 6 qualities of light in any single photograph or scene.
 - Demonstrate at least five (5) different methods of modifying existing or applied lighting in any given location.
 - Apply the inverse square law in relation to the movement of specular photographic light sources.
 - Work with models to achieve the desired communication.
 - Demonstrate the control of color in photographs through the use of lighting and lens filtration and digital color balance and manipulation.
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Required Textbook(s) None

Course Outline

Week 1: Course introduction; review of the 6 qualities of light from PHT111; introduce small camera flash properties and capabilities including assigning a true test of the GN for the student's flash; explanation of the relevance and benefit of testing the student's hand held meter for specular flash; explanation and testing of various wireless flash methodology.

Week 2: Continuation of hand held meter testing for diffused flash; balancing flash with ambient light while achieving proper flash exposures using previously tested guide numbers; reinforcement of the inverse square law in relation to predictably changing flash to subject distances; digital image processing methods.

Week 3: Introduction to the four (4) basic lighting patterns for lighting people both in the studio and out including four-point lighting; balancing key, fill, hair and background lights used in portrait lighting for proper exposure; additive ratio metering and reinforcing ratios learned in PHT111; digital processing methods.

Week 4: TTL flash technology and control; TTL flash both as a key light, modified and unmodified: balancing TTL fill light with an ambient key light condition; using high-speed sync for small camera flash in conjunction with differing ambient conditions; digital image processing methods.

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Week 5: Specular and diffused lighting control; exterior ambient metering and control; evaluation and comparison between diffused and specular light on a model while normally balancing exterior ambient exposures; digital processing methods.

Week 6: Blue Spheres theory and analysis, same subjects photographed in ten (10) different lighting conditions, including both specular and diffused ambient conditions; modification of existing ambient light and adding and controlling ratios using flash on location; digital processing methods.

Week 7: Creating and controlling rim light using small camera flash and manipulation of ambient exposure while maintaining consistency in flash exposure; digital processing methods

Week 8: Project week

Week 9: Introduction of using multiple flashes; lecture and practical application of remote flash wireless technology; reinforcement of creating rim light using small camera flash with the inclusion of adding a diffused key light also flash while balancing exposure to achieve desired results; digital processing methods.

Week 10: Flash key light filtration and reinforcement of kelvin temperature learned in PHT111; metering sunsets while balancing a filtered flash key light and manipulating key exposures; digital processing methods.

Week 11: Using filtered flash to create a sunset looking environment in a diffused ambient condition; manipulation through exposure of scene contrast; digital processing methods.

Week 12: Working with clients to produce editorial portrait style photographs using the environment as well as props to convey a subject occupation or theme; assessment of real world locations to determine lighting, composition and equipment needs; digital processing methods.

Week 13: Depth of Light theory and applications; professional magazine submission standards and layout; explanation of different types of professional magazine and web based editorial work; final exam review; digital processing methods.

Week 14: Final exam review; final exam; post assignment discussions; digital processing methods.

Week 15: Review and discussion of final exam results; post class and assignment discussion of class results; recap of class assignments and techniques and discussion of future uses and combining techniques learned in class.

GENERAL ASSESSMENT CRITERIA AND METHODS OF EVALUATING STUDENTS

Letter grades (A, A-, B+, B, etc.)

The student's overall grade for this class is derived from a combination of online instructional activity, class participation, assignments, quizzes and exams, projects, and final project/final exam. A student's grade will be adversely affected by being tardy to class and by any unexcused absence. Only the instructor can authorize exceptions to class policies, deadlines or grades. Students must confirm (in writing) any exceptions to class policies or deadlines with the instructor. Class work is weighted as follows:

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Grade Weighting		Grading Scales		
Course Area	%	Percent	Letter	Numeric
		93–100	A	4.00
		90–92	A-	3.70
Quizzes	15%	87–89	B+	3.30
		83–86	B	3.00
Assignments	70%	80–82	B-	2.70
		77–79	C+	2.30
Class Participation	5%	73–76	C	2.00
		70–72	C-	1.70
Final Project/Exam	10%	67–69	D+	1.30
		60–66	D	1.00
Total	100%	0–59	F	0.00

DEFINITIONS OF CRITERIA USED IN GRADING

Outstanding = A	Outstanding work, showing insight and demonstrating excellence in skill and craft. Work goes well beyond what is required
Superior = A-, B+	Superior work, shows clear understanding and thorough demonstration of skill and craft
Good = B, B-	Competent work, clear understanding, often showing creativity and good use of skills
Satisfactory = C+, C, C-	Adequate understanding, inconsistent demonstration of skills, some elements missing or problems with priorities
Unsatisfactory = D, F	Lacks understanding, inadequate amount of time and effort demonstrated, many missing elements, inconsistent participation, skill and craftsmanship not demonstrated

ATTENDANCE POLICY

Each faculty member takes attendance for each class period and posts it to the student's record through the portal. Once absences equal 20 percent of the total number of class meetings, faculty may lower the final grade for the course one full grade and may drop the grade again for each absence after the 20 percent has been reached. Students may review their attendance through the student portal under each course the student is enrolled in.

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Students who do not attend during the first week of class may be subject to withdrawal. Brooks Institute may also withdraw any student who has not been in attendance for 14 consecutive days. However, the institute will withdraw any student who has had non-attendance for 35 consecutive days; this timeframe may be extended due to extraordinary circumstances that affect the entire student population. Students will be responsible for all financial obligations incurred if and when they are withdrawn for lack of attendance

Regular classroom attendance is not only an essential ingredient for academic achievement, but it is also a fundamental building block for success. As part of the course requirements, students must attend at least 80 percent of the scheduled time for each course in order to achieve satisfactory attendance. Students in any of the internship courses are required to complete all scheduled hours and record attendance throughout the scheduled course to achieve satisfactory attendance. Students who do not achieve satisfactory attendance may earn a failing grade on their transcripts and may be required to repeat the course. Absences will include tardiness or early departures. Students who are not in attendance for any portion of a class will accrue time absent calculated in percentage increments of 25, 50, or 100 percent of the class period as reflected on each daily roster. Students who have been absent from all their scheduled classes for more than 14 consecutive calendar days, not including scheduled Institutional holidays or breaks, and/or students who officially withdraw from all current courses may be administratively withdrawn from the Institution.

Academic Integrity

Brooks Institute expects all students to exemplify integrity in all academic work. Brooks Institute will not permit students to engage in the following dishonest acts:

- **Cheating** – Cheating includes, but is not limited to, the following: using unauthorized notes, study aids, electronic or other devices not authorized by the instructor. Using or borrowing information from another person, or submitting someone else's work as one's own work including images and motion clips. Using work previously submitted for another purpose, without the instructor's permission, is prohibited. Duplicated use of copyrighted material in violation of federal copyright laws is prohibited.

- **Plagiarism** – Submitting as one's own work, in whole or in part, words, ideas, art, designs, text, drawings, images, motion clips, etc. that were produced by another person without attributing that person as the rightful source of the work. Plagiarism includes, but is not limited to: using words, word passages, pictures, etc. without acknowledgement; paraphrasing ideas without quotation marks or without citing the source.

- **Accessory to Dishonesty** – Knowingly and willfully supplying material or information to another person for the purpose of using the material or information improperly.

- **Falsification or Alteration of Records and Official Documents** - The following are examples of acts under this category, but the list is not exhaustive: altering academic records, forging a signature or authorization on an academic document, or falsifying information on official documents, grade reports, or any other document designed to attest to compliance with school regulations or to exempt from compliance.

- **Software Code of Ethics** – Unauthorized duplication of copyrighted computer software violates the law and is contrary to our organization's standards of conduct. Brooks Institute disapproves of such copying and recognizes the following principles as a basis for preventing its occurrence:

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- Brooks Institute will neither engage in nor tolerate the making or using of unauthorized software copies under any circumstances.
 - Brooks Institute will only use legally acquired software on our computers.
 - Brooks Institute will comply with all license or purchase terms regulating the use of any software we acquire or use.
 - Brooks Institute will enforce strong internal controls to prevent the making or using of unauthorized software copies, including effective measures to verify compliance with these standards and appropriate disciplinary measure for violation of these standards.
- **Communication Devices**-To maintain academic integrity and to eliminate distractions for other students the use of electronic devices in the classroom is dictated by the instructor.

Course Syllabus

CREDIT ASCRIPTION ADDENDUM

PTT130 – Lighting Theory - 3 semester credit hours

Type: Lecture/Studio

Credit Ascription- The amount of hours spent outside of class and assignment alignment with Course Learning Objectives

Course Learning Objectives:

1. Identify the 6 qualities of light in any single photograph or scene.
2. Demonstrate at least five (5) different methods of modifying existing or applied lighting in any given location.
3. Apply the inverse square law in relation to the movement of specular photographic light sources.
4. Work with models to achieve the desired communication.
5. Demonstrate the control of color in photographs through the use of lighting and lens filtration and digital color balance and manipulation.

The following indicates the **minimum** number of hours per assignment

	Assignment Title	Homework Hours	Assignment Objectives
Week 1	GN & meter test	4	2
Week 2	Flash Fill	6	1,2,4
Week 3	TTL/Power settings	8	1,2,3
Week 4	Specular Diffused	8	1,2,4
Week 5	TTL creative	6	1,2,4
Week 6	Blue Spheres	15	1,2,3,4,5
Week 7	Rim Ambience part 1	6	1,2,4
Week 8	Rim Ambience part 2	6	1,2,4
Week 9	Flash at Sunset	6	1,2,4,5
Week 10	Resting Athlete	6	1,2,4,5
Week 11	Editorial Portrait	8	1,2,4,5
Week 12	CD Cover	8	1,2,3,4
Week 13	Editorial Layout	8	1,2,4,5
Week 14	No Assignment	10	
Total		105	