Course Description:
The basic study of digital imaging technology. The topics covered are image formation and evaluation, photosensitive sensors, exposure technology, tone reproduction, visual perception, physics of light, camera lenses, computer technology, image processing and applications, scanner and printer technologies.
Prerequisites: None.
Credits: 3.

Objectives:
1. Examine image formation on light sensitive materials and sensors
2. Evaluate the physics of light for use in photography
3. Analyze the digital photographic process
4. Explain the principles of exposure
5. Apply the principles of photographic color theory
6. Compare different camera and lens systems and their application.
7. Explore and compare the different types of digital output devices and their application
8. Speak using photographic terminology

Attendance Policy:
Consistent with the College’s policy on attendance, you are expected to attend every class, be on time and not leave early. If a student is absent from class totaling more than two weeks during the semester the student can be withdrawn from class by the instructor. The student will earn an attendance grade during the semester. You will earn this grade by being issued 7 points for each class you attend. Perfect attendance = 105 points. Being late for class is the same as being absent and zero points will be given.
Special Note: Students are solely responsible for obtaining any missed class materials including announcements, handouts, and assignments from the class web site at www2.sunysuffolk.edu/keenera. Class notes can be obtained from classmates outside of normal class time. Since class only meets once a week it is recommended that students contact the instructor via email when absent to obtain details and due dates.

Grading Policy:
Projects/Presentations = 30%, Quizzes = 30%, Final =20%, Attendance & Participation = 20%
No late projects will be accepted for grading. Quizzes may be made up only one week from the given date and must be taken at the next class following your absence. You must e-mail the instructor to arrange a time to take the quiz.

Textbook:
General Information And Class Policies:

**Attendance:** As already stated you are expected to attend every class meeting, missing or coming late to class with adversely effect your grade. Missing more than two classes may result in being withdrawn from class. Students with extenuating circumstances like illness, death or personal injury may have an absence excused. All excused absences are at the discretion of the instructor and will only be considered if contacted in a timely manner and all class work is made up in satisfactory fashion.

**Late Work:** All assignments are due on the date assigned. If you are absent assignments are due at the next class meeting. For extenuating circumstances late work may be accepted but will be graded as “Late” and reduced by a full grade. (ex. A reduced to B, B reduced to C ect.). Acceptance of late work will be at the discretion of the instructor and only be considered if discussed prior to due date.

**Originality of Student work:** Students are expected to exhibit academic honesty in all their work. Cheating, plagiarism, and other violations of student code will not be tolerated. Academic misconduct will be directed to the appropriate office for resolution.

**Assignments:** All assignments must be type written and neatly presented following individual assignment guidelines. All writing should reflect college level composition, which includes spelling and grammar; all references must be properly cited. Any assignment not meeting these standards will be returned for correction and must be resubmitted within a week for a grade, otherwise it will be given a failing grade (F).

**Participation:** Participation along with attendance makes up 20% of your final grade. Simply being present is not participating. You must actively participate in class discussion and demonstrate you have prepared for class by being familiar with class content from weekly reading assignments.

**Cell Phones and Electronic Media:** All cell phones, pagers, Ipods and any other electronic devices **are not allowed to be used and must be turned off or silenced during class,** lectures and demos. This means no calls, text messaging, IMs, emails, game playing or any other applications your device will perform are allowed during class. **Special Note:** You may request from the instructor at the beginning of any class to leave your cell phone device turned on if there is a personal emergency situation, but you are requested to leave the classroom to use the phone.

**Email:** You must maintain an active email address via the student portal and check it regularly (**at least once before next class meets**). Since we only meet once a week class information, announcements and changes will be communicated via email whenever necessary.
<table>
<thead>
<tr>
<th>Week 1: Sept 1</th>
<th>Week 2 Sept 8</th>
<th>Week 3 Sept 15</th>
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| • Course Overview  
• Intro to the Photographic Process  
• Fundamentals of Light | • Photographic Light Sources  
• Research Project #1: The Color of Light | All College day  
No class |
| Week 4 Sept 22 | Week 5 Sept 29 | Week 6 Oct 6 |
| • The Kelvin Temperature Scale  
• Theory of Image Formation | • Light Sensitive Materials  
• Spectral Sensitivity  
• Quiz: #1 | • Image Sensor Technology  
• Image Sensor Processing  
• Mapping Image Exposure  
• Image Tonality |
| Week 7 Oct 13 | Week 8 Oct 20 | Week 9 Oct 27 |
| • Research Project #1 Presentations  
• Photographic Meter  
• Technology  
• Photographic Meter Application  
• Quiz: #2 | • Resolution and File Size  
• Scanner Technology  
• Scanner Application  
• Research Project #2: Scanning | Open week TBD |
| Week 10 Nov 3 | Week 11 Nov 10 | Week 12 Nov 17 |
| • Principles of Color  
• Color Reproduction  
• Research Project #3: Print Comparison | • Printer Technology  
• Printing Media  
• Life Expectancy of Print Media | • Camera Technology  
• Camera Applications  
• Quiz: #3 |
| Week 13 Nov 24 | Week 14 Dec 1 | Week 15 Dec 8 |
| • Lens Technology  
• Lens Application | • Optical Filters Technology  
• Optical Filters Application  
• Storage Technology | • Research Project #3 Presentations  
• Review For Final Exam |
| Week 16 Dec 15 |                   |                  |
| Final exam       |                   |                  |
* This schedule may change to suit class needs please bring it to each class to note any changes.