Enrollment Management
10/15

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: GAT-150 Class/Lect. Hours: 2 Lab Hours: 3 Credits: 3 Dept.: Graphic Com. & Photography

Course Title: Introduction to Professional Photography Semester: Fall Year: 2017

Course Description, Prerequisite, Corequisite:

An introduction to photography using computer-based technologies, as well as learning about the history and aesthetics of photography. The student will learn how to use professional photographic and studio lighting equipment. In addition, the student will use professional software for image processing and output (both black and white and color). There will be many demonstrations covering a wide variety of photographic techniques. Students are given picture-taking assignments to develop their composition and perspective skills, and to promote creativity. Critiques, both private and public, are held to provide students feedback regarding their work.

Prerequisite: None
Corequisite(s): GAT 150L; GAT-151

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
1. The student shall apply and use photographic and image processing terminology in appropriate situations.	1. As a result of this course, the student will learn and use the proper terms related to photography, including digital camera equipment, digital imaging software, lighting, and composition.
2. The student shall determine proper exposure for a variety of subject, focus, and lighting situations.	1. Determine when a small aperture is needed to produce a maximum amount of depth-of-field. 2. Determine when a large aperture is needed to produce a small amount of depth-of-field. 3. Determine what shutterspeed is needed to freeze moving objects. 4. Determine when a slow shutterspeed is needed to depict motion. 5. Determine appropriate shutterspeed to create a panning effect. 6. Determine the slowest shutterspeed to obtain a sharp image free from

	camera shake and blur.
3. The student shall determine proper lighting and lighting angles based on subject criteria.	1. Demonstrate how to light subjects when doing professional portraiture. 2. Demonstrate how to use ambient and continuous light to properly illuminate subject in a variety of picture-taking situations. 3. Demonstrate where lights should be placed to avoid distracting reflections on the subject.
4. The student shall produce sharply focused images by controlling image blur using appropriate aperture and shutterspeed settings.	1. Demonstrate how to determine which shutterspeeds will produce a sharp image free from subject and camera blur. 2. Demonstrate how to determine aperture settings to ensure that the subject will be in focus by controlling depth of field.
5. The student shall use professional studio lighting equipment to produce professional-quality portraits and product photographic images.	1. Demonstrate the proper use of flash meter. 2. Demonstrate how to alter flash power settings to achieve proper exposure and lighting ratios by using a flash meter. 3. Demonstrate the proper placement of the main light for professional portrait lighting applications. 4. Demonstrate the proper placement of the fill light for professional portrait lighting applications. 5. Demonstrate the proper placement of the background light for professional portrait lighting applications. 6. Demonstrate the proper placement of the hair and kicker lights for professional portrait lighting applications. 7. Demonstrate the proper placement of continuous lights to professionally photograph metallic objects. 8. Demonstrate the proper placement of continuous lights to professionally photograph opaque objects. 9. Demonstrate the proper placement of continuous lights to professionally photograph transparent (glassware) objects.
6. The student shall produce visually interesting images in respect to perspective and composition.	1. Identify which lens focal length(s) are necessary to obtain a wide-angle effect which heightens the perspective effect. 2. Identify which lens focal length(s) are necessary to obtain a narrow-angle effect which flattens the perspective effect. 3. Demonstrate subject placement using the law of thirds.

	4. Demonstrate subject placement by applying symmetrical and asymmetrical principles of design. 5. Demonstrate the application of lighting and contrast design principles in respect to specific subject criteria.
7. The student shall modify a photograph using digital technologies to improve its quality, usability, and/or produce special effects.	1. Using Adobe Lightroom, apply specific adjustments to the digital image to make a personal statement and reflect what was visualized at time of capture, or practice post-visualization.
8. The student shall learn about the history of photography.	1. Relate how photography began and progressed throughout its history through videos, slide presentations and classroom discussions.
9. The student shall critique the student's own work, and the work of others.	1. Identify which elements of an image work effectively using visually aesthetic and technical criteria, and be able to communicate suggestions to the photographer in a non-threatening, supportive manner. 2. Self-critique photography to identify which elements of an image work effectively using visually aesthetic and technical criteria, and apply that information to improve his/her own work.