

Springfield Technical Community College
Academic Affairs

Course Number: Department: Graphic Arts
Course Title: Basic Digital Photography Semester:

Objectives / Competencies

Objectives	Competencies
<p>1. The student will learn about the anatomy of a camera.</p> <p>2. The student will learn about camera care.</p> <p>3. The student will learn about composition</p>	<p>A. Understand lens focal length and its effect on the image. B. Understand the function of the shutter and its effect on the image C. Understand image capture and the devices that make it possible.</p> <p>A. Understand good camera care practices B. Understand how to care for the camera's accessories</p> <p>A. Understand the meaning and purpose of composition B. Understand how to achieve emphasis by controlling picture elements.</p>

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<p>4.. The Student will learn about digital photographic exposure.</p>	<p>A. Understand how to select appropriate combinations of aperture and shutter speed under various conditions. B. Understand depth of field and be able to describe major factors that affect it. C. Understand techniques of available light photography D. Understand how digital sensors work, including how they record color, effects of resolution, and their exposure requirements. E. Understand the RGB color mode vs CMYK and how secondary colors are formed. F. Understand the desirable characteristics of a digital image.</p>
<p>5. The student will learn about storing and transporting digital images.</p>	<p>A. Understand how a digital image differs from a continuous tone image.. B. Understand the main types of digital storage media C. Understand proper handling of digital storage media. D. Understand strengths and weaknesses of various file formats. E. Understand file format compatibility issues.</p>

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<p>6.. The student will learn about digital image editing..</p> <p>7. The student will learn about image evaluation.</p> <p>8.. The student will learn about printing digital images.</p>	<p>A. Understand the use of cropping and sizing tools. B. Understand the use of dodging and burning tools C. Understand unsharp masking. D. Understand how print contrast and color balance can be controlled.</p> <p>A. Understand the difference between passive and active viewing. B. Develop a vocabulary that will allow students to evaluate and critique photographs</p> <p>A. Understand the story of Giclee´ printing B. Understand how an inkjet printer functions. C, Understand the problem of image permanence D. Understand factors in choosing a printer E. Understand factors in choosing paper.</p>