

# Digital Photography: Course Syllabus

## Digital Photography I: Creating Images with Impact!

### COURSE DESCRIPTION:

In the digital photography course, students will learn creative photographic skills and processes. Students will build a portfolio of work and explore the fields of photography and graphic arts.

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### Unit 1: Introduction to Photography

#### Objectives:

Upon completion of this unit, you will be able to:

- \* **Discuss how cameras work.**
- \* **Learn what happens inside the camera when you take a picture.**
- \* **Investigate how an image is created by the camera.**
- \* **Learn some of the basic terminology for photography and cameras.**
- \* **Examine how a simple pinhole camera can be constructed at home.**

### ASSIGNMENTS:

<b>Introduction to Photography: Unit Text Questions</b>	<b>Homework</b>	10 points
<b>Introduction to Photography: Online Digital Photography Lab Questions</b>	<b>Homework</b>	10 points
<b>Introduction to Photography: Photography Assignment</b>	<b>Homework</b>	15 points
<b>Unit 1 Discussion Assignment 1</b>	<b>Discussion</b>	5 points
<b>Unit 1 Discussion Assignment 2</b>	<b>Discussion</b>	5 points

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**Unit 1 Quiz – Introduction to  
Photography**

*Quiz*

15 points

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***Unit 2: The History of Photography***

**Objectives:**

Upon completion of this unit, you will be able to:

- \* **Discuss the usage of pinhole cameras and how they were used before modern photography.**
- \* **Discuss the development of the first camera in the early nineteenth century.**
- \* **Investigate some of the advances that were made to cameras and photograph production through the nineteenth and early twentieth centuries.**
- \* **Examine the development of digital cameras.**
- \* **Discuss the changes in the stock image industry.**

**ASSIGNMENTS:**

**The History of Photography: Unit  
Text Questions**

*Homework*

10 points

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**The History of Photography:  
Online Digital Photography Lab  
Questions**

*Homework*

10 points

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**The History of Photography:  
Photography Assignment**

*Homework*

15 points

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**Unit 2 Discussion Assignment 1**

*Discussion*

5 points

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**Unit 2 Discussion Assignment 2**

*Discussion*

5 points

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**Unit 2 Quiz – The History of  
Photography**

*Quiz*

15 points

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### **Unit 3: Aperture & Shutter Speed**

#### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Understand aperture and shutter speed.**
- \* **Discuss how different aperture and shutter speed settings can influence a photograph.**
- \* **Examine how aperture and shutter speed settings influence each other.**
- \* **Investigate some of the common camera modes.**
- \* **Discuss how aperture and shutter speed can be used to create nighttime photographs.**

#### **ASSIGNMENTS:**

<b>Aperture &amp; Shutter Speed: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>Aperture &amp; Shutter Speed: Online Digital Photography Lab Questions</b>	<b><i>Homework</i></b>	10 points
<b>Aperture &amp; Shutter Speed: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 3 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 3 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 3 Quiz – Aperture &amp; Shutter Speed</b>	<b><i>Quiz</i></b>	15 points

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## **Unit 4: Composition**

### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Discuss composition and how it applies to photographs.**
- \* **Examine some of the common "rules" of photography composition.**
- \* **Investigate how the "rules" can improve photographs.**
- \* **Discuss how and when to break the "rules" of photography composition.**

### **ASSIGNMENTS:**

<b>Composition: Unit Text Questions</b>	<b>Homework</b>	10 points
<b>Composition: Online Digital Photography Lab Questions</b>	<b>Homework</b>	10 points
<b>Composition: Photography Assignment</b>	<b>Homework</b>	15 points
<b>Unit 4 Discussion Assignment 1</b>	<b>Discussion</b>	5 points
<b>Unit 4 Discussion Assignment 2</b>	<b>Discussion</b>	5 points
<b>Unit 4 Quiz – Composition</b>	<b>Quiz</b>	15 points

## **Unit 5: Lighting**

### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Discuss the importance of light when taking photographs.**
- \* **Examine the advantages and disadvantages of natural and artificial lighting.**
- \* **Investigate some tips and techniques for using light in outdoor photographs.**
- \* **Learn about the lighting equipment and accessories for studio photography.**

**\* Discuss some tips and techniques for studio lighting.**

**ASSIGNMENTS:**

<b>Lighting: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>Lighting: Online Digital PhotographyLab Questions</b>	<b><i>Homework</i></b>	10 points
<b>Lighting: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 5 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 5 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 5 Quiz – Lighting</b>	<b><i>Quiz</i></b>	15 points

***Digital Photography Midterm Exam***

**Objectives:**

Upon completion of this unit, you will be able to:

**\* Review information acquired and mastered from this course up to this point.**

**\* Take a course exam based on material from the first five units in this course**

**(Note: You will be able to open this exam only one time.)**

**ASSIGNMENT:**

<b>Digital Photography Midterm Exam</b>	<b><i>Exam</i></b>	<b>50 points</b>
<b>Midterm Discussion Assignment</b>	<b><i>Discussion</i></b>	5 points

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## **Unit 6: Special Techniques**

### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Discuss the use of filters in photography.**
- \* **Examine the fundamentals of black and white photography.**
- \* **Learn some tips to help improve black and white photographs.**
- \* **Investigate how to create panoramic photographs.**
- \* **Learn tips and techniques for capturing firework photographs.**

### **ASSIGNMENTS:**

<b>Special Techniques: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>Special Techniques: Online Digital Photography Lab Questions</b>	<b><i>Homework</i></b>	10 points
<b>Special Techniques: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 6 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 6 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 6 Quiz – Special Techniques</b>	<b><i>Quiz</i></b>	15 points

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## **Unit 7: People**

### **Objectives:**

Upon completion of this unit, you will be able to:

- \* Discuss portrait photography.
- \* Examine tips on taking portraits.
- \* Learn tips and techniques for photographing children.
- \* Investigate how to take group photographs.
- \* Discuss some of the arrangements that can be used for large group formal photographs.

#### ASSIGNMENTS:

<b>People: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>People: Online Digital PhotographyLab Questions</b>	<b><i>Homework</i></b>	10 points
<b>People: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 7 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 7 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 7 Quiz – People</b>	<b><i>Quiz</i></b>	15 points

#### ***Unit 8: Landscapes & Places***

##### **Objectives:**

Upon completion of this unit, you will be able to:

- \* Learn about the different types of landscape photography.
- \* Discuss some of the challenges in taking landscape photographs.
- \* Examine some general tips for taking landscape photographs.
- \* Discuss the importance of focal points in landscape photography.
- \* Investigate how to approach different types of landscapes.

#### ASSIGNMENTS:

<b>Landscapes &amp; Places: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>Landscapes &amp; Places: Online Digital Photography Lab Questions</b>	<b><i>Homework</i></b>	10 points
<b>Landscapes &amp; Places: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 8 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 8 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 8 Quiz – Landscapes &amp; Places</b>	<b><i>Quiz</i></b>	15 points

### ***Unit 9: The Close-Up***

#### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Understand how macro photography is by photographers.**
- \* **Discuss different equipment and accessory options to use in creating macro photographs.**
- \* **Discuss the basic techniques of macro photography.**
- \* **Investigate some popular topics for macro photography.**
- \* **Examine how best to take macro photographs of flowers and insects.**

#### **ASSIGNMENTS:**

<b>The Close-Up: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>The Close-Up: Online Digital Photography Lab Questions</b>	<b><i>Homework</i></b>	10 points

<b>The Close-Up: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 9 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 9 Discussion Assignment 2</b>	<b><i>Discussion</i></b>	5 points
<b>Unit 9 Quiz – The Close-Up</b>	<b><i>Quiz</i></b>	15 points

### ***Unit 10: Documentary & Action***

#### **Objectives:**

Upon completion of this unit, you will be able to:

- \* **Discuss tips and techniques for taking sports photographs.**
- \* **Understand the basics for the technique of panning moving subjects.**
- \* **Discuss tips on photographing pets.**
- \* **Examine wildlife photography and the basics of capturing wildlife on “film.”**
- \* **Investigate documentary photography and how best to approach this area of photography.**

#### **ASSIGNMENTS:**

<b>Documentary &amp; Action: Unit Text Questions</b>	<b><i>Homework</i></b>	10 points
<b>Documentary &amp; Action: Online Digital Photography Lab Questions</b>	<b><i>Homework</i></b>	10 points
<b>Documentary &amp; Action: Photography Assignment</b>	<b><i>Homework</i></b>	15 points
<b>Unit 10 Discussion Assignment 1</b>	<b><i>Discussion</i></b>	5 points

<b>Unit 10 Discussion Assignment 2</b>	<i>Discussion</i>	5 points
<b>Unit 10 Quiz – Documentary &amp; Action</b>	<i>Quiz</i>	15 points

**Digital Photography Final Exam**

**Objectives:**

Upon completion of this unit, you will be able to:

- \* **Review information acquired and mastered from this course up to this point.**
- \* **Take a course exam based on material from units six to ten in this course – the last five units. (Note: You will be able to open this exam only one time.)**

**ASSIGNMENT:**

<b>Digital Photography Final Exam</b>	<i>Exam</i>	<b>50 points</b>
<b>Class Reflection Discussion Assignment</b>	<i>Discussion</i>	10 points