



Digital Photography 1

Semester A Summary:

Have you ever wondered how professional photographers manage to take such sensational pictures? How are they able to find just the right way to capture an image or moment in time? Perhaps you've even wondered why your own pictures don't meet that standard. Digital Photography I will answer these questions and help the student understand more about the basics of photography. Learning about aperture, shutter speed, lighting, and composition is key for any serious photographer and will help the student gain the confidence and knowledge he needs to become one. The student will not only follow photography through its history but also gain a basic understanding of camera functions, techniques, and what it takes to shoot quality portraits, close-ups, action shots, and landscapes.

Semester A Outline

1. Introduction to Photography

1. Read and Respond

- 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 photography and camera terminology.
- Examine how to construct a simple pinhole camera home.

2. Photography Lab

3. Unit 1 Photography Assignment

4. Wrapping Up Unit 1

2. The History of Photography

1. Read and Respond

- Learn about 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.

2. Photography Lab

3. Unit 2 Photography Assignment

4. Wrapping Up Unit 2

3. Aperture and Shutter Speed

1. Read and Respond

- 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.
- 2. Photography Lab
- 3. Unit 3 Photography Assignment
- 4. Wrapping Up Unit 3
- 4. **Composition**
 - 1. Read and Respond
 - 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.
 - 2. Photography Lab
 - 3. Unit 4 Photography Assignment
 - 4. Wrapping Up Unit 4
- 5. **Lighting**
 - 1. Read and Respond
 - 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.
 - 2. Photography Lab
 - 3. Unit 5 Photography Assignment
 - 4. Wrapping Up Unit 5
- 6. **Semester A Exam**
 - 1. Semester A Exam
 - Review information acquired and mastered from this course up to this point.
 - Take a course exam based on material from units 5-8 in this course.

Semester B Summary:

Have you ever wondered how professional photographers manage to take such sensational pictures? How are they able to find just the right way to capture an image or moment in time? Perhaps you’ve even wondered why your own pictures don’t meet that standard. Digital Photography I will answer these questions and help the student understand more about the basics of photography. Learning about aperture, shutter speed, lighting, and composition is key for any serious photographer and will help the student gain the confidence and knowledge he needs to become one. The student will not only follow photography through its history but also gain a basic understanding of camera functions, techniques, and what it takes to shoot quality portraits, close-ups, action shots, and landscapes.

Semester B Outline

- 1. **Special Techniques**
 - 1. Read and Respond
 - 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.
 - 2. Photography Lab
 - 3. Unit 1 Photography Assignment

4. Wrapping Up Unit 1
2. **People**
 1. Read and Respond
 - 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.
 2. Photography Lab
 3. Unit 2 Photography Assignment
 4. Wrapping Up Unit 2
3. **Landscapes and Places**
 1. Read and Respond
 - 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.
 2. Photography Lab
 3. Unit 3 Photography Assignment
 4. Wrapping Up Unit 3
4. **The Close-Up**
 1. Read and Respond
 - Learn about macro photography.
 - 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.
 2. Photography Lab
 3. Unit 4 Photography Assignment
 4. Wrapping Up Unit 4
5. **Documentary and Action**
 1. Read and Respond
 - Discuss tips and techniques for taking sports photographs.
 - Learn 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.
 2. Photography Lab
 3. Unit 5 Photography Assignment
 4. Wrapping Up Unit 5
6. **Semester B Exam**
 1. Semester B Exam