



Course:	Professional Certificate in Digital Photography Level 1
Guided Learning Hours:	24
Requirement:	An operational digital single lens reflex camera with lens and memory card

Abstract & Target Audience

A Professional Certificate in Digital Photography introduces participants to the components of the digital camera, elements of photography, fundamental principles of photography coupled with practical exercises in photography which allow participants to develop their ability to capture visually appealing images.

Learning Outcomes

On the completion of this programme, participants should: -

1. Be able to identify essential mechanisms of the camera and lens.
2. Be able to describe the exposure process.
3. Be able to manipulate aperture setting and describe related phenomenon.
4. Be able to manipulate shutter speed and describe related phenomenon.
5. Be able to manipulate ISO and describe related phenomenon.
6. Be able to predict with general accuracy the outcome of a photograph based on available light and camera settings.
7. Be able to execute photographic assignments independently.
8. Be able to set-up and use basic three-point lighting equipment.

Course Content

Session 1 Fundamental principles in photography 1

Learning Objective

- Definition of photography. History of photography.
- Development of the digital camera.

Session 2 Fundamental principles in photography 2

Learning Objective

- Identifying parts of the digital camera and camera modes.
- Camera handling and operation exercises.

Session 3 Exposure Triangle

Learning Objective

- Aperture manipulation.
- Shutter speed manipulation.
- ISO settings.

Session 4 Camera Lenses

Learning Objective

- Type of lens.
- Depth of field.
- Focal length and Field of view.
- Care and maintenance of lenses

Session 5 Framing & Composition of photographs

Learning Objective

- Rule of thirds.
- Rule of Odds.
- Golden Ratio.
- Portrait and Landscape orientation.
- Shots sizes and angles.

Session 6 Studio work

Learning Objective

- Natural and artificial light sources.
- Light modifiers.
- Practical exercises.

Session 7 Field work 1

Learning Objective

- Capturing images outdoors (day shoot).

Session 8 Field work 2

Learning Objective

- Capturing images outdoors (night shoot)

Assessment Criteria

In order to achieve Learning Outcomes	The participant must
1. Define photography	<ul style="list-style-type: none"> State the meaning of the word photography and discuss the nature and qualities of light and outline a brief history of photography with the development of the digital camera.
2. Identify parts of the body of the digital camera and lens. Handle and operate the camera in various modes.	<ul style="list-style-type: none"> Name critical parts of the camera and lens and describe their functions. Name critical parts of a camera lens, outline type of lenses and their specific uses. Handle the camera in standing, sitting and lying positions. Operate the camera in various modes. Identify which mode should be used in specific lighting conditions and for specific activities.
3. Describe the exposure triangle. Predict with general accuracy the settings of the camera based on available light.	<ul style="list-style-type: none"> Adjust camera settings to gain well-exposed photographs in different lighting conditions by adjustments to aperture, shutter speed and ISO.
4. Identify types of lenses used in photograph.	<ul style="list-style-type: none"> Define Depth of Field. Explain what is Focal Length and Field of View. Outline the care and maintenance of camera lenses.
5. Define framing and composition. Develop critiquing skills and sensibilities about design elements in photographs.	<ul style="list-style-type: none"> Explain and demonstrate Rule of Thirds, Rule of Odds and Golden Ratio. Demonstrate portrait and landscape orientations. Participate in constructive criticism by identifying strengths and weaknesses in photographs created during course exercises. Technical and contextual questions are to be posed with possible solutions/ directions for improvement. Identify satisfactory composition that address: colour, line, shape, texture, space and form.
6. Identify natural and artificial lighting sources and light modifiers.	<ul style="list-style-type: none"> Demonstrate three-point lighting set up. Demonstrate the uses of light modifiers
7. Capture visually appealing images. Apply recommended professional etiquette and practices	<ul style="list-style-type: none"> Operate the camera in different modes in an external daytime environment. Practice polite interaction with models using positive verbal and physical communication. Express respect of personal space, gender and ideological diversity.
8. Capture visually appealing images	<ul style="list-style-type: none"> Operate the camera in different modes in an external nighttime environment.