

E.M.G. YADAVA WOMENS COLLEGE, MADURAI -14.**(An Autonomous Institution – Affiliated to Madurai Kamaraj University)****(Re –accredited (3rd cycle) with Grade A⁺ and CGPA 3.51 by NAAC)****CBCS with OBE****DEPARTMENT OF PHYSICS-UG****ADD ON COURSE****Fundamentals of photography****(w.e.f.2022-2023 Batch onwards)****COURSE STRUCTURE****Contact hours: 30 hrs****Credit: 1**

S.No	Sem	Course Code	Title of the Course
1	I	22PHAOC	Theory : Fundamentals of photography
2	I	22PHAOCP	Practical: Lab in Fundamentals of photography

Department of Physics				Class: I B.Sc	
Sem	Category	Course Code	Course Title	Credit	Contact Hours
I	Add on Course	22PHAOC	Fundamentals of Photography	1	30
		22PHAOCP	Lab in Fundamentals of Photography		

Objectives

1. To Understand the basics of camera
2. To Learn the different types of lens
3. To Gain the knowledge about the modern techniques
4. To know more about the adobe photoshop
5. To study the more techniques using photoshop

Unit- I CAMERA

Camera-Basic parts of Camera- Important controls of Camera-Types of Camera- Video Camera- Digital Camera.

Unit-II THE LENS & FOCUSING

Focal length –wide angle lens-Telephoto lens- Close up lens-m Zoom lens- f- number- Lighting-contrast-exposure-illumination and use of Flash light.

Unit-III MODERN TECHNIQUES

Using digital camera- Charge coupled device- transfer to computer --Handling a Video Camera – Composition – Initial Preparation – Lighting – Panning – Starting & ending.

Unit-IV ADOBE PHOTOSHOP I

Navigation and zoom-Pixels and Image resolution-cropping-Rotating-Image adjustments

Unit-V ADOBE PHOTOSHOP II

Image Adjustments (Black and white balance)- Colour correction-Dodhge and burn- Selection tools-Clone stamp tool-filters

Book for Study:

1. Thiagarajan ,*Practical Photography* 4th Edition ENNES publications. [unit I,II and III]
2. Brad Shirakawa , *Begining Photoshop* ,San Jose State University [unit IV and V]

Reference Books:

1. DSLR for Beginners (2015), Well Being Publishing House, Kindle Edition.
2. AL Judge(2014), Understanding DSLR Lenses, Subtle Vision Media, Kindle Edition.
3. AL Judge (2013) The Art of Photography, Subtle Vision Media, Kindle Edition.
4. AL Judge (2014), Mastering Digital Cameras, Subtle Vision Media, Kindle Edition.
5. Scott Kelby(2013), The Digital Photography, Second Edition Peach pit Press, USA.

PRACTICAL

Title of the paper: Lab in Fundamentals of Photography

Subject Code: 22PHAOCP

List of Experiments

1. Adjust the image for levels and color. Change modes from RGB to grayscale and create duotones.
2. Dodge and burn specific areas of a photo.
3. Use selection tools to further adjust and enhance the image.
4. Use the clone tool to repair and manipulate the image.
5. Use filters to change the image in artistic and unreal ways.