

VALUE ADDED / CRASH COURSES

2022-2023

DIGITAL PHOTOGRAPHY

Department of Physics

Fatima College (Autonomous)

(College with potential for Excellence)

Re- accredited with 'A' Grade by NAAC

Mary Land, Madurai -18



- 30 hours course
- Intense practicals in Photography and Photoshop
- Hands-on training in Digital camera

*Unveil your creative potential!
Gear up for a successful
career in
Photography and Photoshop*

Course offered for UG / PG Physics Students

Fees: Rs. 750/-

Timing: 2.00p.m – 4.00p.m.

SEMESTER-AII
For those who joined in 2019 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
PAPH	19UGVAP1	DIGITAL PHOTOGRAPHY	Theory	2	1

COURSE DESCRIPTION

This course will familiarize the students with the fundamental techniques necessary for the creative use of photography by introducing them to the basic usage of SLR camera and Adobe Photoshop post processing.

COURSE OBJECTIVES

This course focuses on core photographic concepts like the basic parts of camera, its important control parameters and composition techniques of photography. The students will be introduced to basic exposure parameters namely F-number – Aperture – shutter speed – lighting-contrast-exposure- illumination etc., The course will include hands-on demonstrations with the SLR camera as well as basic digital image editing techniques comprising of the post production work like editing images, using retouching tools and filters by Adobe Photoshop. On completion of this course, students will have the opportunity to personally experience the creative potential of photography and the languages linked to it.

UNITS

UNIT I: INTRODUCTION TO PHOTOGRAPHY

[6 Hours]

Introduction to photography- Personal uses- Photography Process- Writing with light- Camera: Basic parts- Important controls- Types of camera: video camera and digital camera.

UNIT II: LENS

[6 Hours]

Introduction - focal length - speed of the lens- Special lenses - wide angle lens-telephoto lens - close up lens- zoom lens - Introducing the technical knowledge of using a SLR camera.

UNIT III: FOCUSING ASPECTS**[6 Hours]**

F-number – Aperture – shutter speed – lighting-contrast-exposure-illumination and use of flash light- composition of photography - Develop the skill of capturing technically good images.

UNIT –IV: PRACTICING INDOOR SUBJECTS**[6Hours]**

Practicing indoor subjects like Passport, Portrait, Article, Still life subjects and outdoor subjects like landscape and moving object photography.

UNIT V: MODERN TECHNIQUES**[6Hours]**

Use of “Photoshop”- Practicing post production work like editing images, using retouching tools and filters by Adobe Photoshop - Preparation of digital id cards – greeting cards –video making.

UNIT-VIDYNAMISM(ForCIAonly)

Training in Adobe Photoshop software-Uses of Photography.

TEXTBOOK:

1. S.Thiagarajan(2007,IVedition), *TheNewPracticalPhotography*, Sulthan Chand & Sons

REFERENCEBOOKS:

2. DavidKilpatrick(1984), *BasicPhotography*, HamlynLondon.
3. MichaelFreeman(2005), *Mastering ColourDigitalPhotography*, Lark Books.

DigitalOpenEducationalResources(DOER):

1. <https://www.pixinfoocus.com/modern-photography/#:~:text=Modern%20photography%20is%20a%20period,a%20tool%20to%20capture%20images>.
2. <https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwitzLmlzYT2AhUYnUsFHW3gAGcYABAAGgJzZg&ae=2&ohost=www.google.com&cid=CAESWuD2EF->

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COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT-1 Introduction to Photography				
1.1	Introduction to photography	1	Lecture	Black Board
1.2	Personal uses	2	Lecture	Black Board
1.3	Writing with light	1	Lecture	Black Board & L CD
1.4	Photographic process	1	Lecture	Black Board & L CD
1.5	Camera: Basic parts	1	Lecture	Black Board & L CD
1.6	Important controls	1	Lecture	PPT & Blackboard
1.7	Types of camera	1	Lecture	PPT
1.8	Video camera and digital camera.	1	Lecture	Black Board & L CD

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT-2 LENS				
2.1	Introduction	1	Lecture	LCD
2.2	Focallength	1	Lecture	LCD
2.3	Speedofthelens	1	Lecture	LCD
2.4	Wideanglelens	1	Lecture	LCD
2.5	Speciallenses	1	Lecture	LCD
2.6	Telephotolens	1	Lecture	LCD
2.7	Closeuplens&zoomlens	1	Lecture	LCD
2.8	Introducing the technical knowledge of using a SLR camera.	2	Lecture	LCD
UNIT-3 Focusing Aspects				
3.1	F-number	1	Lecture	LCD
3.2	Aperture & shutter speed	1	Lecture	LCD
3.3	Lighting & contrast	1	Lecture	LCD
3.4	Exposure	1	Lecture	LCD
3.5	Illumination and use of flash light	2	Lecture	LCD
3.6	Composition of photography	2	Lecture	LCD
3.7	Develop the skill of capturing technically good images	1	Lecture	LCD

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT-4 Practicing indoors subjects				
4.1	Introduction	1	Lecture	PPT
4.2	Practicing indoor subjects like Passport	3	Lecture	PPT
4.3	Portrait, Article & Still life subjects	2	Lecture	PPT
4.4	Outdoor subjects like landscape and moving object photography	3	Lecture	PPT
UNIT-5 Modern Techniques				
5.1	Uses of "Photoshop"	1	Lecture	PPT
5.2	Practicing post production work like editing images	1	Lecture	PPT
5.3	Retouching tools and filters by Adobe Photoshop	2	Lecture	PPT
5.4	Preparation of digital ID cards	1	Lecture	PPT
5.5	Greeting cards	2	Lecture	PPT
5.6	Videomaking	2	Lecture	PPT

Levels	C1	C2	C3	C4	C5	Total Scholastic Marks	Non Scholastic Marks	CIA Total	% of Assessment
	T1	T2	Quiz	Assignment	OBT/PPT		C6		
	10 Mks.	10 Mks.	5 Mks.	5Mks	5Mks	35 Mks.	5Mks.	40Mks.	
K2	4	4	-	-	-	8	-	8	20%
K3	2	2	-	5	-	9	-	9	22.5%
K4	2	2	-	-	5	9	-	9	22.5%
K5	2	2	5	-	-	9	-	9	22.5%
Non Scholastic	-	-	-	-	-		5	5	12.5%
Total	10	10	5	5	5	35	5	40	100%

CIA	
Scholastic	35
NonScholastic	5
	40

EVALUATIONPATTERN

SCHOLASTIC					NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

• CIAComponents

				Nos				
C1	-	Test(CIA1)		1	-	10Mks		
C2	-	Test(CIA2)		1	-	10Mks		
C3	-	Assignment		2*	-	5Mks		
C4	-	Open BookTest/PPT		2*	-	5Mks		
C5	-	Quiz		1	-	5Mks		
C6	-	Attendance			-	5Mks		

**Thebestoutoftwowillbetakenintoaccount*

COURSEOUTCOMES

On the successful completion of the course,students will be able to:

S.NO.	COURSEOUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESS ED
CO1	Understand the basic phenomena of photography	K1&K3	PSO1&PSO2
CO2	Comprehend the basic parts of camera, its important control parameters and composition techniques of photography	K1	PSO1&PSO2

S.NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESS ED
CO3	Handle SLR camera and apply various composition techniques and shoot professional photographs	K1,K2,	PSO1, PSO2, PSO4&PSO5
CO4	Understand the modern technique of photoshop and develop skills to manipulate, edit and enhance the real time photographs using photoshop.	K1&K3	PSO1&PSO2 PSO4&PSO5
CO5	Prepare their own digital ids and greeting cards with photoshop.	K1,K2,K3&	PSO1&PSO2 PSO4&PSO5

Mapping of Cos with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	1	1
CO2	3	3	2	1	1
CO3	3	3	2	3	3
CO4	3	3	1	3	3
CO5	3	3	1	3	3

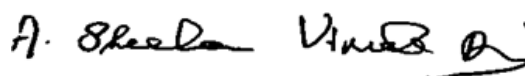
Mapping of COs with POs

CO/PO	PO1	PO2	PO3	PO4
CO1	3	1	2	2
CO2	3	1	3	2
CO3	3	2	2	1
CO4	2	3	2	1
CO5	3	3	3	1

Note: □ StronglyCorrelated-3

□ ModeratelyCorrelated-2

♦ WeaklyCorrelated-1

COURSEDESIGNER:**Dr.R.Jothi Mani****ForwardedBy**

Dr.A.SheelaVimalaRani
HoD'sSignature&Name

S.No.	Register No.	Name	12/09/22	20/09/22	27/09/22	07/10/22	11/10/22	18/10/22	25/10/22	08/11/22	15/11/22	13/12/22	20/12/22	04/01/23	10/01/23	17/1/23	25/1/23
1.	2021 H26	P. Priyadharsini	a	X	X	X	a	X	X	X	X	a	X	X	X	X	X
2.	2021 H53	S.K. Jaya Harini	X	X	X	a	X	X	X	a	X	X	X	X	X	X	X
3.	2021 E16	R. Junaith Reshmi	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X
4.	2021 E50	A. Vency	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X
5.	2021 S14	J. Jaafin	X	X	X	X	X	a	X	X	a	X	X	X	X	X	X
6.	2021 S18	V. G. Kanishka	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X
7.	2021 S29	P. Subekshana	X	X	X	a	X	X	a	X	X	X	X	X	X	X	X
8.	2021 S37	M. Deva Dharshini	X	a	X	X	a	X	X	a	X	X	X	X	X	X	X
9.	2021 S44	G. Sri Durga	X	X	a	X	X	X	X	X	X	a	X	X	X	X	X
10.	2021 S46	A. Vaitheeswari	X	X	X	X	X	a	X	X	X	X	X	a	X	X	X
11.	2021 P06	M.S. Bavani	X	a	X	X	X	X	X	X	X	a	X	X	X	X	X
12.	2021 P22	M. Harini	X	X	X	X	X	a	X	X	X	X	a	X	X	X	X
13.	2021 P23	D. Mahalakshmi	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X
14.	2021 P29	S. Pradeepa	X	X	X	X	a	X	X	X	a	X	X	X	X	X	X
15.	2021 C21	G. Mahalakshmi	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X
16.	2021 Z06	M. Gayathri	X	a	X	X	X	X	X	X	X	a	X	X	X	X	X
17.	2021 Z20	M. Sathuramya	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X
18.	2021 Z30	K. Bhavani	X	a	X	X	X	X	a	X	X	X	X	a	X	X	X
19.	2021 B06	S. Anthiya	X	X	a	X	X	X	X	X	X	a	X	X	X	X	X

Department of Physics
Value Added Crash Course 2022-2023
Digital Photography

PAGE No: _____

DATE: / /

Date	Name of the Staff	Time	Signature
12-09-22	Dr. R. Jothi Mani	2.00 - 4.00 pm	R. Jothi
20-09-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
27-09-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
07-10-22	Dr. R. Jothi Mani	2.00 - 4.00 pm	R. Jothi
11-10-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
18-10-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
25-10-22	Dr. R. Jothi Mani	2.00 - 4.00 pm	R. Jothi
08-11-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
25-11-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
13-12-22	Dr. R. Jothi Mani	2.00 - 4.00 pm	R. Jothi
20-12-22	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
04-01-23	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
10-01-23	Dr. R. Jothi Mani	2.00 - 4.00 pm	R. Jothi
17-01-23	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia
25-01-23	Ms. J. R. Sofia	2.00 - 4.00 pm	J. R. Sofia

Dr. R. Jothi Mani - 10 hours R. Jothi

Ms. J. R. Sofia - 20 hours J. R. Sofia

30 hours





FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

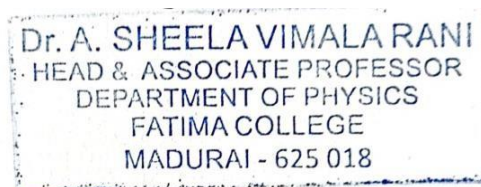
DEPARTMENT OF PHYSICS

Value added Courses - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1	Digital Photography – 19UGVAP1	Dr.R.Jothi Mani	10
2	Digital Photography – 19UGVAP1	Miss.J.R.Sofia	20

A. Sheela Vimala Rani

Signature of the HOD with Seal





FATIMA COLLEGE (AUTONOMOUS)

AFFILIATED TO MADURAI KAMARAJ UNIVERSITY
RE-ACCREDITED WITH 'A++' BY NAAC (CYCLE-IV)
MARY LAND, MADURAI- 625 018

THE RESEARCH CENTRE OF PHYSICS

This is to certify that Ms. K. BHAVANI (2021X30), II - B.Sc. ZOOLOGY _____
has successfully completed the Value Added Crash Course on

DIGITAL PHOTOGRAPHY

during the academic year 2022-2023 and has been
awarded Distinction / First / Second class.

S. S. S.
[Dr. S. S. S. S. S.]
Co-ordinator

A. Shree Varma
Head of the Department

Dr. Sr. G. Celine Sahaya Mary
Dr. Sr. G. Celine Sahaya Mary
Principal

