# Draft Syllabus for Diploma in Photography( 4<sup>th</sup> Semester)
## Digital Photography (TH)

| | |
|---|---|
| Name of the Course : Diploma in Photography<br>Name of the Subject: **Digital Photography** | |
| Course Code : | Semester: Fourth |
| **Duration: 15 weeks** | **Maximum Marks: 100** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory: 3 contact hours/week. | ***Internal Examination : 30 Marks*** |
| Tutorial : 1 contact hour/week | Class Test : 20 Marks |
| Practical : Digital Photography Lab | Teacher's Assessment: 10 Marks |
| Credit :3 | ***End Semester Examination : 70Marks*** |

| | |
|---|---|
| **Aim:** | |
| **1.** | To develop the skill & knowledge of Digital Photography. |
| **2.** | Students will understand the knowhow and can function either as an entrepreneur or can take up jobs in Photography & video studios, edit set-up, graphic arts industry and other audio visual sectors. |
| **3.** | |
| **Objectives - The student will be able to** | |
| **1.** | Define the process, uses,principles and advantages of digital photography |
| **2.** | Develop the concept of the basics of digital imaging, Raster & Vector Graphics, Resolution, Pixel depth, Aspect Ratio, Dynamic Range, File Formats, File Size, Image Compression etc. |
| **3.** | Visualize the concept of digital platform and various methods of image capture. |
| **4.** | Develop the method of basic image editing techniques. |
| **5.** | Introduce various methods of post-production and retouching techniques. |
| **6.** | Develop the concept of digital output and producing the final product |
| **Pre-Requisite -** | |
| **1.** | Basic idea of frame & composition in the area of still images should be known. |
| **2.** | Knowledge of Camera & Computer operation is also necessary. |

**CONTACT PERIODS: 60(15 WEEKS), INTERNAL ASSESSMENT: 2 WEEKS, TOTAL PERIODS: 60**

| Content (Name of Topic) | | | Periods | |
|---|---|---|---|---|
| **Group - A** | | | | |
| **Module 1** | **1.0** | **Introduction to Digital Photography** | | |
| | 1.1 | Understanding film and paper photography | 4L+2T | |
| | 1.2 | Learning about the digital revolution | | |
| | 1.3 | Advantages and disadvantages of digital photography over film photography | | |
| | 1.4 | Computers as photographic tools | | |
| | 1.5 | How photos are used today. | | |
| **Module 2** | **2.0** | **Digital Basics** | | |
| | 2.1 | Digital image method of storing and processing digital image**:**Raster and Vector method | 8L+2T | |
| | 2.2 | Representation of digital image**:** Resolution – Pixel Depth | | |

| | | | | |
|---|---|---|---|---|
| | | – PixelAspect Ratio – Dynamic Colour Range – File Size – Colour Models – Image Compression – File Formats – Calculating image resolution for outputs. | | |
| **Module 3** | **3.0** | **Digital Platform** | | |
| | 3.1<br>3.2<br>3.3<br>3.4 | Hardware and System Software<br>Windows Operating System<br>Concept of Internet<br>Image transportation through floppy, CD, zip and Internet. | 6L+2T | |
| **Group - B** | | | | |
| **Module 4** | **4.0** | **Digital Capture** | | |
| | 4.1<br><br><br>4.2 | Digital Image formation – Image Sensors – Different Capturing Method**:** Digital camera – Scanner – Frame Grabber<br>DIGITAL CAMERA**:** Understanding how digital cameras work – Digital camera types**:** Floppy Disc type, Flash Card type, Hard Disc type – Overview of current digital cameras. | 4L+2T | |
| **Module 5** | **5.0** | **Scanning and Image Editing** | | |
| | 5.1<br><br>5.2 | SCANNING**:** Scanners as input devices- Workingof a Scanner– Scanning procedure – Scanning resolution.<br>IMAGE EDITING**:** Image editing through image editing softwares like Adobe Photoshop – Adjustment of Brightness, Contrast, Tonal and Colour Values – Experimenting with Level and Curve. | 4L+2T | |
| **Module 6** | **6.0** | **Digital Retouching & Image Enhancement** | | |
| | 6.1<br><br><br>6.2 | Image size – Resolution – Selection tools and techniques – History – Retouching tools – Layers – Photo mounting techniques – Incorporation of text into picture.<br>Digital Manipulation**:** Applying selective effects to images and filters with masks and different digital darkroom effects. | 4L+2T | |
| **Group - C** | | | | |
| **Module 7** | **7.0** | **Digital Output** | | |
| | 7.1<br><br>7.2<br><br>7.3 | Placing photos in other documents – Using photos on the web.<br>Printers as output devices – Different types of Print, Proofing, Photo quality printing.<br>How can a digital image be printed? | 4L+2T | |
| | | **Total** | **60** | |

## EXAMINATION SCHEME

| Internal Examination : Marks - 30 | | | Marks on Class Test : 20 | | |
|---|---|---|---|---|---|
| Final Examination : Marks - 70 | | | Teacher's Assessment : 10 | | |
| Group | Module | Objective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |

| Group | Module | To be Set | | Marks per Question | Total Marks |
|-------|--------|-----------|-----------------------|------------------|-------------|
| A | 1,2,3 | 8 | | | |
| B | 4,5,6 | 8 | Any Twenty | 1 | 20×1=20 |
| C | 7 | 4 | | | |
| Group | Module | Subjective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3 | 3 | | | |
| B | 4,5,6 | 3 | Any Five taking at least One from each Group | 10 | 5 ×10 =50 |
| C | 7 | 2 | | | |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.

| Text Books | | |
|------------|--|--|
| Name of Authors | Title of the Book | Publisher |
| Phillip Krejcarek | Digital Photography-A hands on Introduction | Delmer Publishers |
| Adrian Davies and PhillFennessy | Digital for photographers | Focal Press |
| Jon Torrant | Understanding Digital Cameras | Focal Press |
| Carla Rose | Teach Yourself Digital Photography in 14 Days | Techmedia, 1997 |
| **Reference Books** | | |
| Agfa | An Introduction to Digital Photo Imaging | Agfa, 1994 |
| Agfa | An Introduction to Digital Scanning | Agfa, 1994 |
| Lisa DaNaeDayley, Brad Dayley | Adobe Photoshop CS6 Bible | Wiley India |
| Kogent Learning | Photoshop CS5 in Simple Steps | Wiley India |
| Dayley | Photoshop CS5 Bible | Wiley India |

# I N D O O R & O U T D O O R S T I L L P H O T O G R A P H Y – II (TH)

| | |
|--|--|
| Name of the Course : PHOTOGRAPHY | |
| Name of the Subject: I N D O O R & O U T D O O R S T I L L P H O T O G R A P H Y – I | |
| Course Code : | Semester: Fourth |
| **Duration: 17 weeks** | **Maximum Marks: 100** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory: 3 contact Hours/week. | Internal Examination : 20 Marks |
| Tutorial : NO contact Hour/week | Class Attendance : 5 Marks |
| Practical : Lab | End Semester Examination : 70 Marks |
| Credit : 3 | Teacher's Assessment: 5 Marks |

| Aim: | |
|---|---|
| **1.** | On completion of the present course, the students will bein a position to select and use the photographic accessories for indoor & outdoor situations. understand the: —<br>      concept of using the different types of filters;<br>      application of various types of lights on the photographs;<br>      function of different types of exposure meters & uses;<br>      techniques of photo copying;<br>      techniques of slide copying;<br>      different types of special shooting techniques;<br>      Ethics and techniques of press photography. |
| **2.** | The students will also understand the knowhow of special shooting techniques. |
| **Objectives - The student will be able to** | |
| **1.** | Understand the concept of using the different types of filters. |
| **2.** | Understand the application of various types of lights on the photographs. |
| **3.** | Understand the uses of exposure meters. |
| **4.** | Understand the techniques of photo copying. |
| **5.** | Understand of special shooting techniques. |
| **6.** | Understand the Ethics and techniques of press photography. |
| **Pre-Requisite -** | |
| **1.** | Keen interest in Photography. |

| | **Content (Name of Topic)** | **Periods** |
|---|---|---|
| **Group A** | | |
| **Module 1** | **SPECIAL FILTERS**<br>1.1 Colour sensitivity of film, types of filter, filter factors, contrast and density of filters and its definitions.<br>1.2 General- ND, 80B, 81A, 85B, CC, IR, Polarized, Heat filter, dichroic, graduated, fog, contrast and correction-their classification, working principles, uses and available models. | 6 |
| **Module 2** | **OBJECT LIGHTING**<br>2.1 Type of object lighting: Daylight, Artificial light and their combination — ANGLE | 6 |
| **Module 3** | **EXPOSURE METER**<br>3.1 Types, function and use (methods of using incident and reflected type meters) — Selection of shutter speed and aperture — Manual exposure setting method — Selection of exposure in case of varying / combined illumination. | 6 |
| **Group B** | | |
| **Module 4** | **PHOTO COPYING**<br>4.1 Copying technique<br>4.2 PHOTO COPYING SET UP**:** Stand, lighting, cameras, specification and uses.<br>4.3 SLIDE COPIER**:** Types, specification and uses. | 12 |

| Group C | | |
|---|---|---|
| **Module5** | **SPECIAL SHOOTING TECHNIQUES**<br>5.1Definition, camera lens, additional equipment, filter, light, film, accessories, positioning, depth of field, exposure and precaution for**:** Photo macrography – Photo micrography – High speed Photography with motor driven camera – Underwater Photography – Medical Photography – Astronomical Photography – Infra Red (IR) Photography – Ultra Violet (UV) Photography – Forensic Photography – Strobe light Photography Multiple exposure. | 12 |
| **Module 6** | **PRESS PHOTOGRAPHY & ETHICS** | 3 |
| **Total** | | 45 |

## EXAMINATION SCHEME

| Internal Examination : Marks - 20 | Marks on Attendance : 05 |
|---|---|
| Final Examination : Marks - 70 | Teacher's Assessment : 05 |

| Group | Module | Objective Questions | | | Total Marks |
|---|---|---|---|---|---|
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3 | 12 | | | |
| B | 4 | 5 | Any Twenty | 1 | 20×1=20 |
| C | 5,6 | 8 | | | |
| Group | Module | Subjective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3 | 3 | Any Five TakingAt Least One from Each Group | 10 | 5 ×10 =50 |
| B | 4 | 2 | | | |
| C | 5,6 | 3 | | | |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.

| **Text Books** | | |
|---|---|---|
| Name of Authors | Title of the Book | |
| M. Langford | Advance Photography | |
| Blaker | Applied depth of field | |
| H. Angel | Landscape photography | |
| W. White | Photomacrography: an introduction | |
| Langford | Visual aids and photography in education | |
| Spencer's | Colour photography in practice | |
| Arnold | Applied photography | |

| Focal | Encyclopaedia of photography | |
|---|---|---|
| Jacobson | Manual of photography | |
| Cox | Manual of photography | |
| Mitchell | Ilford Manual of Photography | |
| Boucher | Fundamentals of photography | |
| James | Fundamentals of Photographic Theory | |
| Jacobson | Manual of Photography | |
| Woolley | A Guide to Night Photography | |

## Multimedia & Animation- I (TH)

| Name of the Course : Diploma in Photography | |
|---|---|
| Name of the Subject: Multimedia & Animation-I | |
| Course Code : | Semester: Forth |
| **Duration: 15 weeks** | **Maximum Marks: 100** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory:3 contact hours/week. | ***Internal Examination : 30Marks*** |
| Tutorial : 1 contact hour/week | Class Test : 20 Marks |
| Practical : Multimedia & Animation-I Lab | Teacher's Assessment: 10 Marks |
| Credit :3 | ***End Semester Examination : 70Marks*** |

| **Aim:** | |
|---|---|
| **1.** | To develop the skill & knowledge of Multimedia & Animation–I in Photography. |
| **2.** | Students will understand the knowhow and can function either as an entrepreneur or can take up jobs in the multimedia industry, photography & video studios, edit set-up, graphic arts industry and other audio visual sectors. |
| **3.** | |
| **Objectives - The student will be able to understand** | |
| **1.** | Basics and fundamental concept of multimedia and its uses and applications |
| **2.** | Multimedia platform, accessories and configuration of multimedia PC. |
| **3.** | Concept of operating software, functions and uses and basics of Internet,different features and relevant software. |
| **4.** | Text component in multimedia, generationand editing of text withrelevant software |
| **5.** | Image & Graphics in multimedia, methods of creating graphics and images, different features, digital images, the concept of image editing software and its applications |
| **6.** | Concept of animation, animation techniques, animation software tools and its applications. |
| **Pre-Requisite -** | |
| **1.** | Basic idea of interactive application in Multimedia should be known. |
| **2.** | Knowledge of Camera, Scanner& Computer operation is also necessary. |

**CONTACT PERIODS: 60(15 WEEKS), INTERNAL ASSESSMENT: 2 WEEKS, TOTAL PERIODS: 60**

| Content (Name of Topic) | | Periods | |
|---|---|---|---|
| **Group - A** | | | |
| **Module 1** | **1.0     Introduction to Multimedia** | | |
| | 1.1  What is Multimedia<br>1.2  Components of Multimedia<br>1.3   Multimedia product ideas<br>1.4  Product formats<br>1.5  Multimedia content<br>1.6   Multimedia Applications<br>1.7  Advantages of Multimedia. | 6L+2T | |
| **Module 2** | **2.0     Study of Multimedia Computer** | | |
| | 2.1     Multimedia Platform & Accessories<br>2.2     Hardware and system software<br>2.3     Different configurations of Multimedia Personal Computer. | 3L+1T | |
| **Module 3** | **3.0     Study of Operating System** | | |
| | 3.1     Introduction to Windows OS**:** Its different features<br>3.2     Functions and use<br>3.3     Management of files and folders. | 3L+1T | |
| **Module 4** | **4.0      Basics of Internet** | | |
| | 4.1     Internet and its different features<br>4.2     Hardware and software used for Internet and their purpose<br>4.3     Concept of E-mail<br>4.4     Surfing the Website. | 3L+1T | |
| **Group - B** | | | |
| **Module 5** | **5.0     Text Component in Multimedia** | | |
| | 5.1     Importance of text in Multimedia<br>5.2     Free Text – Field Text – Considerations for designing Text<br>5.3     Text Formats – Test Font and Point Sizes<br>5.4     Character Formats – Scrolling Text<br>5.5     Special Effects for Text<br>5.6     Text File Formats<br>5.7     Hypertext<br>5.8     Importing & exporting of documents. | 6L+2T | |
| **Group - C** | | | |
| **Module 6** | **6.0     Image & Graphics component in Multimedia** | | |
| | 6.1     Introduction to Image & Graphics – Understanding kinds of Graphics – Making still images in multimedia application<br>6.2     DIGITAL IMAGE**:** Methods of storing & processing (Raster method, Vector method) – Factors influencing quality (Resolution, Pixel depth, Pixel aspect ratio) – Colour models.<br>6.3     METHODS OF CAPTURING**:** Scanner – Digital Camera – Frame Grabber.<br>6.4     IMAGE COMPRESSION**:**Lossy& Non-lossy – Image file | 12L+4T | |

| | | | | |
|---|---|---|---|---|
| | | formats. | | |
| | 6.5 | CONCEPT OF DIGITAL DARKROOM: Working with image editing software like Adobe Photoshop – Acquiring, Importing & Exporting of images – Reduction & Enlargement of Images. | | |
| **Group-D** | | | | |
| **Module 7** | **7.0** | **Animation** | | |
| | 7.1 | Animation & special effects | 12L+4T | |
| | 7.2 | Animation Techniques: Traditional and Computer based animation | | |
| | 7.3 | Image manipulation techniques: Tweening, Warping, Morphing | | |
| | 7.4 | Two Dimensional Animation and concept of 2D animation softwares like Macromedia Flash etc. | | |
| | 7.5 | Three Dimension Animation and concept of 3D Animation softwares like 3D Studio Max etc. | | |
| | | **Total** | **60** | |

## EXAMINATION SCHEME

| Internal Examination : Marks - 30 | | | | Marks on Class Test: 20 | |
|---|---|---|---|---|---|
| Final Examination : Marks - 70 | | | | Teacher's Assessment : 10 | |
| Group | Module | Objective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3,4 | 10 | Any Twenty | 1 | 20×1=20 |
| B | 5 | 3 | | | |
| C | 6 | 3 | | | |
| D | 7 | 4 | | | |
| Group | Module | Subjective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3,4 | 4 | Any Five taking at least One from each Group | 5 | 5 ×10 =50 |
| B | 6 | 2 | | | |
| C | 6 | 2 | | | |
| D | 7 | 2 | | | |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.

| **Text Books** | | |
|---|---|---|
| Name of Authors | Title of the Book | Publisher |
| John Villamil-Casanova, Louis Molina | Multimedia – An Introduction | Prentice Hall, 1998 |
| Norman Desmorais | Multimedia on the PC | McGraw Hill Inc, 1994 |

| | | |
|---|---|---|
| Judith Jeffcoate | Multimedia in Practice - Technology & Applications | Prentice Hall, 1995 |
| AndressHolzinser | Multimedia Basics, Vol-I | Wiley India |
| **Reference Books** | | |
| Linda Tway | Multimedia in Actions | AP Professional, 1995 |
| Douglas E. Wolfgram | Creating Multimedia Presentations | QUE Corporation, 1994 |
| Jessica Keys | The McGraw-Hill Multimedia Handbook | McGraw-Hill Inc., 1994 |
| Francis Botto | PC Multimedia – An Introduction to Authoring Application | BPB Publication |
| Gokul. S | Multimedia Magic | BPB Publication, 1995 |
| Sinclair | Multimedia on the PC | |

# VIDEOGRAPHY– I (TH)

| | |
|---|---|
| Name of the Course : PHOTOGRAPHY Name of the Subject: VIDEOGRAPHY– I | |
| Course Code : | Semester: Fourth |
| **Duration: 17 weeks** | **Maximum Marks: 100** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory: 3 contact Hours/week. | Internal Examination : 20 Marks |
| Tutorial : 1 contact Hour/week | Class Attendance : 5 Marks |
| Practical : NIL | End Semester Examination : 70 Marks |
| Credit : 3 | Teacher's Assessment: 5 Marks |

| **Aim:** | |
|---|---|
| **1.** | The student will understand the technology of videography. |
| **2.** | The student should be able to know the utility and uses of video cameras and their accessories. |

| **Objectives - The student will be able to** | |
|---|---|
| **1.** | Understand the concept of basics of television networking. |
| **2.** | Understand the different types of video encoding system and types of video signals . |
| **3.** | Understand the techniques of scanning: interlace and progressive. |
| **4.** | Understand the techniques of digital signal processing. |
| **5.** | Understand the techniques of compression. |
| **6.** | Understand the different types of video formats: analogue and digital. |

| **Pre-Requisite -** | |
|---|---|
| **1.** | Basic knowledge of videography. |
| **2.** | Keen interest in cinema. |

| Content (Name of Topic) | Periods |
|---|---|
| **Group A** | |
| **Module 1** | 1.0**Introduction to television**<br>1.1 Network from TV studio to home receiver.<br> (Earth station via satellite-transponder to home receiver).<br>1.2 Foot print area, cable television network, interactive television.<br>1.3 Direct to Home video(DTH)<br>1.4 Internet, web video, modulation and bands (VHF,UHF) | 12 |
| **Module 2** | 2.0**ELECTRONIC IMAGE**<br>2.1Different video encoding system (PAL, NTSC, SECUM).<br>2.2 Different types of video signal, composite, Y/C, component (analogue<br>2.3Luminance and chrominance, S/N ratio of a video signal. | 12 |
| **Module 3** | 3.0 **SCANNING:** Interlace and progressive<br>3.1Interlace scanning (monochrome and colour),blanking, chroma Sub-carrier, line waveform.<br>3.2 Progressive scanning: Band width and resolution. | 12 |
| **Group B** | |
| **Module 4** | 4.0**DIGITAL SIGNAL PROCESSING (DSP)**<br>4.1Sampling, quantization, encoding.<br>4.2Compression: Discrete Cosine Transform (DCT), MPEG-2 | 12 |
| **Group C** | |
| **Module 5** | 5.0 **VIDEO FORMATS (analogue and digital)**<br>5.1 U-matic (High & Low), Betacam S-VHS and Hi-8 (PRO) Comparative Study.<br>5.2 Digital video formats :<br>5.3DV Family:DV (Mini and standard) DVCAM, DVCPRO.<br>5.4 Superior formats: DigiBeta,DVCPRO50,Digital-S(D-9)<br>5.5 Post production format: D-1, D-2, D-3, D-5, etc. | 12 |
| **Total** | **60** |

EXAMINATION SCHEME

| Internal Examination : Marks - 20 | | | | Marks on Attendance : 05 | |
|---|---|---|---|---|---|
| Final Examination : Marks - 70 | | | | Teacher's Assessment : 05 | |
| Group | Module | Objective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3 | 12 | Any Twenty | 1 | 20×1=20 |
| B | 4 | 5 | | | |

| Group | Module | Subjective Questions | | | Total Marks |
|---|---|---|---|---|---|
| C | 5 | 8 | | | |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2,3 | 3 | Any Five TakingAt Least One from Each Group | | |
| B | 4 | 2 | | 10 | 5 ×10 =50 |
| C | 5 | 3 | | | |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.


## Digital Photography Lab

**Name of the Course: Diploma in Photography.**

| Course Code: | **Semester: Fourth** (All Modules should be completed in 4th semester. Evaluation may be done by continuous assessment process and by External Examiner in end semester ) |
|---|---|
| Duration:   Seventeen weeks/Semester | **Full Marks:**100 |
| **Teaching Scheme:** | **Examination Scheme:** |
| Theory :  Nil hrs./week | *Continuous Internal Assessment Marks:50* |
| Tutorial : Nil hrs./week | Attendance-10,Lab Notebook-15,Regular Performance-25 |
| Practical: 4 hrs./week | *External Assessment Marks:50* |
| Credit :3 | Digital Port Folio -20,On spot Job-20,Viva Voce-10 |

**Aim:** To impart practical knowledge in Digital Photography related with the study of Photography.

**Objective:** Student will able to

| Sl. No | |
|---|---|
| 1 | Be acquainted with Digital Studio-Camera, lights & other accessories. |
| 2 | Be acquainted with Digital Darkroom-Computer, OS & other application Software. |
| 3 | Develop the concept ofcapturing images by digital still camera. |
| 4 | Practicing indoor subjects like Passport, Portrait, Article, Still life subjects. |
| 5 | Practicing scanning pictures by flatbed scanners. |
| 6 | Practicing post production work like editing  images, using  retouching tools and filters by Adobe Photoshop |
| 7 | Generate print after editing and place photos into other documents. |

**Pre-Requisite: Nil**

| Sl.No | |
|---|---|
| 1 | Knowledge of basic frame, composition in the field of still images is necessary. |
| 2 | Basic concept of Camera & Computer operation should be known. |

| **Contents: Total Periods: 60(15Weeks)+2Weeks (*Internal Assessment )* =60(17 Weeks)** | Hrs./Unit | Marks |
|---|---|---|

| | | | |
|---|---|---|---|
| **Module : 1** | To be acquainted with Digital Studio-Camera, Lenses-Prime lens, Zoom Lens, Studio Lights with Umbrella, Diffuser, Reflector, Tripod, Backdrops etc. | 04 periods | |
| **Module :2** | To be acquainted with the Digital Darkroom-Computer, Application Software and Windows platform for working with digital imaging. | 04 periods | |
| **Module : 3** | To capture or to record images by digital still camera: Learning work-around for camera setting – Focus work-around – Exposure work-around – Taking / Shooting by using built in flash light – Studio light and table top lighting. | 08 periods | |
| **Module : 4** | Shooting of different indoor subjects like Passport, Portrait, Article, Still life subjects | 08 periods | |
| **Module : 5** | To scan images by flatbed scanners through the scanning software like Adobe Photoshop and others. | 04 periods | |
| **Module : 6** | To import or to open the scanned images as a Photoshop file. | 04 periods | |
| **Module : 7** | To edit images by Adobe Photoshop (Editing image will include adjustment of image size, resolution, brightness/ contrast, colour and tonal correction by level and curve). | 12 periods | |
| **Module : 8** | To use different retouching tools and filters, incorporation of text with picture,restoration of B&W and colour pictures. | 04 periods | |
| **Module : 9** | To save and transport the captured pictures. (Image transportation will include getting images from the camera to the computer through floppy, CD, zip and Internet) | 04 periods | |
| **Module : 10** | To generate print after editing. | 04 periods | |
| **Module : 11** | To place photos into other documents. | 04 periods | |
| | **Total** | **60 periods** | |

| Name of Authors | Title of the Book | Name of the Publishers |
|---|---|---|
| Phillip Krejcarek | Digital Photography-A hands on Introduction | Delmer Publishers |
| Adrian Davies and PhillFennessy | Digital for photographers | Focal Press |
| Jon Torrant | Understanding Digital Cameras | Focal Press |
| Carla Rose | Teach Yourself Digital Photography in 14 Days | Techmedia, 1997 |
| **Reference Books** | | |
| Agfa | An Introduction to Digital Scanning | Agfa, 1994 |

| Agfa | An Introduction to Digital Photo Imaging | Agfa, 1994 |
|---|---|---|
| Lisa DaNaeDayley, Brad Dayley | Adobe Photoshop CS6 Bible | Wiley India |
| Kogent Learning | Photoshop CS5 in Simple Steps | Wiley India |
| Dayley | Photoshop CS5 Bible | Wiley India |

SI. No.     Question Paper setting tips

# INDOOR & OUTDOR STILL PHOTOGRAPHY Lab-1&2

Name of the Course : PHOTOGRAPHY
Name of the Subject:  Sessional course for indoor and outdoor still photography Lab Part-I& II

| Course Code : | Semester: Third & fourth |
|---|---|
| **Duration: 17 weeks** | **Maximum Marks: 100** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory: Nil contact Hour/week. | Internal Examination : Nil |
| Tutorial : Nil contact Hour/week | Class Attendance :  Nil |
| Practical : 4 Hour/Week | End Semester Examination :  100 |
| Credit : 3 | Teacher's Assessment:  Nil |

| **Aim:** | |
|---|---|
| **1.** | A student might have good theoretical knowledge in photography but without practice it will be useless, so that it is very important. The content of the  present course has been so designed that the students get adequate opportunity to handle different types of cameras & accessories and also they will have the scope to practice in taking some commonly used indoor & outdoor shorts. |
| **2.** | A careful execution of the practical work proposed in this paper would help the students in developing their skill adequately |
| **Objectives - The student will be able to** | |
| **1.** | Concept of using and utilizing the different types of lights; |
| **2.** | Practice of different types of outdoor shooting conditions in B&W and colour. |
| **3.** | Practice of different types of indoor shooting conditions in B&W and colour; |
| **Pre-Requisite -** | |
| **1.** | Basic theoretical knowledge in Photography. |
| **2.** | Knowledge of basic camera hardware & software is also necessary. |

| | | Content (Name of Topic) | Periods | |
|---|---|---|---|---|
| **Part - I** | | | | |
| | (a) | To undertake demonstration of the uses of different types of light (natural & artificial). | 12 | |
| | (b) | To practice taking OUTDOOR photographs in B&W in the following conditions**:** Landscapes – Street / Building – Sculpture – Insect / Animal movement – Industrial plant (outside view) – Human figure | 15 | |

| | | (close up / long shot / model photography) etc. | | |
|---|---|---|---|---|
| | (c) | To practice taking INDOOR photographs in B&W in different environments such as Copying, Passport, Portrait etc. | 18 | |
| **Total** | | | 45 | |
| **Part – II** | | | | |
| | a) | To undertake demonstration of the uses of different types of light (natural & artificial light). | 12 | |
| | b) | To practice taking OUTDOOR photographs in COLOUR in the following conditions:<br><br>Landscapes – Street / Building – Sculpture – Insect / Animal movement – Industrial plant (outside view) – Human figure (close up / long shot / model photography) etc. | 15 | |
| | c) | To practice taking INDOOR photographs in COLOUR in different environments such as Slide copying, Passport, Portrait, Strobe light photography, photography on transparency. | 18 | |
| **Total** | | | 45 | |

### EXAMINATION SCHEME

Internal Examination :    Marks - 20              Marks on Attendance : 05
Final Examination :    Marks - 70              Teacher's Assessment : 05

| Group | Module | Objective Questions | | | Total Marks |
|---|---|---|---|---|---|
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2 | 6 | | | |
| B | 3,4 | 4 | Any Twenty | 1 | 20×1=20 |
| C | 5,6 | 8 | | | |
| D | 7,8 | 7 | | | |
| Group | Module | Subjective Questions | | | Total Marks |
| | | To be Set | To be Answered | Marks per Question | |
| A | 1,2 | 2 | Any Five TakingAt Least One from Each Group | | |
| B | 3,4 | 2 | | 10 | 5 ×10 =50 |
| C | 5,6 | 2 | | | |
| D | 7,8 | 2 | | | |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.

**Name of the Course: Diploma in Photography.**

| Course Code: | **Semester: Fourth** (All Modules should be completed in 4th semester. Evaluation may be done by continuous assessment process and by External Examiner in end semester ) |
|---|---|
| Duration:   Seventeen weeks/Semester | **Full Marks:**100 |
| **Teaching Scheme:** | **Examination Scheme:** |
| Theory :  Nil hrs./week | ***Continuous Internal Assessment Marks:50*** |
| Tutorial : Nil hrs./week | Attendance-10,Lab Notebook-15,Regular Performance-25 |
| Practical: 4 hrs./week | ***External Assessment Marks:50*** |
| Credit :3 | Sessional Works -20,On spot Job-20,Viva Voce-10 |

**Aim:** To impart practical knowledge in Multimedia & Animation-I related with the study of Photography.

**Objective:** Student will able to

| Sl. No | |
|---|---|
| 1 | Be acquainted with hardware & software required for Multimedia & Animation works. |
| 2 | Develop the concept of generating text component (**Toolbook**). |
| 3 | Be acquainted with editing images by **Adobe Photoshop** including adjustment of image size, resolution etc. brightness |
| 4 | Practicing vector based draw program **Corel DRAW**-setting page size, background etc. |
| 5 | Develop the knowledge and skill of 2 Dimensional Animation software(**Flash**) |

**Pre-Requisite: Nil**

| Sl.No | |
|---|---|
| 1 | Knowledge of layout, composition in the field of multimedia is necessary. |
| 2 | Basic Skill of Camera, Scanner& Computer operation is also necessary. |

| Contents: Total Periods: 60(15Weeks)+2Weeks(*Internal Assessment*) = 60(17 Weeks) | | | Hrs./Unit | Marks |
|---|---|---|---|---|
| **Multimedia & Animation –I Lab (Part-A)** | | | | |
| **Module : 1** | **1.0** | **Generating Text for Multimedia Product** | | |
| | 1.0 | To be introduced and acquainted with Multimedia Personal Computer along with relevant hardware & software packages. | 15 periods | |
| | 1.1 | To be introduced with Internet, its different features, E-mail and surfing techniques. | | |
| | 1.2 | To generate text in any word processing program like the Microsoft Word for Multimedia product. | | |
| | 1.3 | To generate text in any page layout program like the Adobe PageMaker for Multimedia product. | | |
| | 1.4 | To generate text in any authoring programme like the Microsoft PowerPoint, Asymmetric Tool book II Instructor, Macromedia Director for Multimedia product. | | |
| | 1.5 | To import and export documents. | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| **Module :2** | **2.0 Image Editing** | | | |
| | 2.0 | To be acquainted with bitmap image and vector graphics, file formats, image size & resolution, colour mode and models. | 15 periods | |
| | 2.1 | To open an image document using any image editing software like Adobe Photoshop, to create a new document, to use tools & palettes, to use foreground & background colours. | | |
| | 2.2 | To work with images with changing image size & resolution, size of canvas, adjusting colour balance, brightness / contrast, rotating & flipping the image, crop and saving the file. | | |
| | 2.3 | To work with selection tools using Marquee, Lasso, Magic Wand tools, copy/paste selection, softening the edges of the selection using feathering, transforming etc. | | |
| | 2.4 | To work with painting tools like brush, pencil, paintbrush, airbrush, line, eraser, paint bucket, gradient etc. | | |
| | 2.5 | To use layer, incorporation of text, applying the layer effect. | | |
| | 2.6 | To work with different filters. | | |
| **Multimedia & Animation –I Lab (Part-B)** | | | | |
| **Module : 3** | **3.0** | **Vector Based Draw Program** | | |
| | 3.1 | To be introduced to vector based draw program like CorelDRAW and to draw basic geometrical shapes like rectangle, square, ellipse, circle, polygon, stars, spiral etc. | 15 periods | |
| | 3.2 | To draw lines, curves and irregular shapes and to fill in and outline objects. | | |
| | 3.3 | To work with text, to add artistic text, paragraph text, rotating character etc. | | |
| | 3.4 | To create special effects like blending, contouring, extruding, working with power clips, orienting drop | | |

| | | | | |
|---|---|---|---|---|
| | | shadow etc. | | |
| | 3.5 | To save the file. | | |
| **Module : 4** | **4.0** | **Two Dimensional Animation** | | |
| | 4.1 | To be introduced to two-dimensional animation software like Macromedia Flash. | 15 periods | |
| | 4.2 | To be acquainted wit basic functions like acquaintance with time line, stage, toolbars, menu bar, panels, viewing options. | | |
| | 4.3 | To be familiarised with different drawing tools and their application, editing objects, colour & text, symbols, sound, frames & layer etc. | | |
| | 4.4 | To be acquainted with elements of animation, scenes. | | |
| | 4.5 | To undertake frame by frame animation. | | |
| | 4.6 | To undertake motion tweening, motion guiding, motion guide. | | |
| | 4.7 | To undertake shape tweening. | | |
| | 4.8 | To animate text and graphics, to apply masking and to give alpha effect. | | |
| | 4.9 | To incorporate sound with shape / motion / masking animation. | | |
| | 4.10 | To save the file. | | |
| | | **Total** | **60 periods** | |

| Name of Authors | Title of the Book | Name of the Publishers |
|---|---|---|
| Judith Jeffcoate | Multimedia in Practice - Technology & Applications | Prentice Hall, 1995 |
| AndressHolzinser | Multimedia Basics, Vol-I | |
| John Villamil-Casanova, Louis Molina | Multimedia – An Introduction | Prentice Hall, 1998 |

| | | |
|---|---|---|
| Norman Desmorais | Multimedia on the PC | McGraw Hill Inc, 1994 |
| **Reference Books** | | |
| Linda Tway | Multimedia in Actions | AP Professional, 1995 |
| Douglas E. Wolfgram | Creating Multimedia Presentations | QUE Corporation, 1994 |
| Jessica Keys | The McGraw-Hill Multimedia Handbook | McGraw-Hill Inc., 1994 |
| Francis Botto | PC Multimedia – An Introduction to Authoring Application | BPB Publication |
| Gokul. S | Multimedia Magic | BPB Publication, 1995 |
| Sinclair | Multimedia on the PC | |
| SI. No.     Question Paper setting tips | | |

# Professional Practice- II (Videography)

| | |
|---|---|
| Name of the Course : PHOTOGRAPHY<br>Name of the Subject: PROFESSIONAL PRACTICE(VIDEOGRAPHY)– II | |
| Course Code : | Semester:  Fourth |
| **Duration: 17 weeks** | **Maximum Marks: 50** |
| **Teaching Scheme :** | **Examination Scheme :** |
| Theory: Nil | Internal Examination : Nil |
| Tutorial :  Nil | Class Attendance : Nil |
| Practical : 3 contact Hour/week | End Semester Examination : 50 Marks |
| Credit : 2 | Teacher's Assessment: Nil |
| **Aim:** | |
| **1.**   The student will be able to use the different video equipment and their operations. | |
| **Objectives - The student will be able to** | |
| **1.**   Understand the concept of handling the video cameras and their accessories. | |
| **2.**   Understand the techniques of shooting etc. | |
| **Pre-Requisite -** | |
| **1.**   Basic theoretical knowledge of videography. | |
| **2.**   Able to work with co-worker. | |

| Content (Name of Topic) | | Periods |
|---|---|---|
| **Group A** | | |
| **Module 1** | 1.0  **Acquaintance with video equipment:**<br>1.1   Digital video cameras, tripod, tape,VTR, Camcorder,Monitor.<br>1.2   Set up a single camera unit: Black balance and White balance, Adjustment of viewfinder and monitor, Familiarization of in-camera filters and other in-camera controls, Day-for-night Videography by manipulation of white balance.<br>1.3  Operational practice of various camera movements. | 45 |

| | 1.4 Demonstration of an artificially lit indoor talk show/dialogue situation. <br> 1.5 Silent continuity exercise in outdoor day light situation. | |
|---|---|---|
| **Total** | | 45 |

Note 1: Teacher's assessment will be based on performance on given assignments & quizzes.
Note 2: Assignments may be given on all the topics covered on the syllabus.