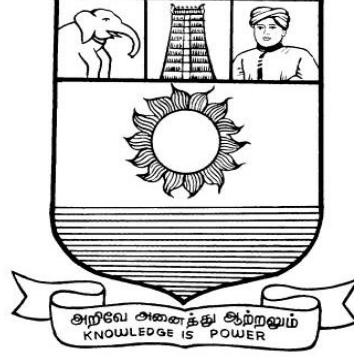


மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
திருநெல்வேலி – 627 012

**Manonmaniam Sundaranar University
Thirunelveli – 627 012.**



கல்விசார் நிலைக்குழக் கூட்டம்

**MEETING OF THE STANDING COMMITTEE ON
ACADEMIC AFFAIRS HELD ON FRIDAY
THE 27th OCTOBER 2017.**

**Syllabus for Diploma in Digital Cinematography Course offered
through Directorate of Vocational Education
(Community Colleges and Extension Learning Programme)
from 2017 – 2018**

DIPLOMA IN DIGITAL CINEMATOGRAPHY**SCHEME OF EXAMINATIONS**

Subject Code	Title of the Papers	Credit	Hours	Passing Minimum
Semester I				
C17CG11/E17CG01	History of Cinema & Film appreciation	6	90	40/100
C17CG12/E17CG02	Introduction to Basics of Photography & Cinematography	6	90	40/100
C17CG13/E17CG03	Introduction to Lighting	6	90	40/100
C17CE10/E17CE10	Communicative English	6	90	40/100
C17CGP1/E17CGP1	Lighting (Practicals)	4	60	40/100
Semester II				
C17CG21/E17CG04	Advanced Cinematography	6	90	40/100
C17CG22/E17CG05	Cinema Cameras Operation (Practicals)	6	90	40/100
C17LS23/E17LS05	Life Skill	4	60	40/100
C17CGP2/E17CGP2	Digital film production (Practicals)	6	90	40/100
C17CGPW/E17CGPW	Major Project and Viva - Voce (Short film)	10	150	40/100

Eligibility for admission: Pass in 12th std examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent examination.

Examination: Passing Minimum for each paper is 40%. Classification will be done on the basis percentage marks of the total marks obtained in all the papers and as given below:

40 % but less than 50 %	- Third class
50 % but less than 60 %	- Second class
60 % and above	- First class

Syllabus**First Semester:-**

Paper I	- History of Cinema & Film appreciation
Paper II	- Introduction to Basics of Photography & Cinematography
Paper III	- Introduction to Lighting
Paper IV	- Communicative English
Paper V	- Lighting (Practicals)

Second Semester:-

Paper VI	- Advanced Cinematography
Paper VII	- Cinema Cameras Operation (Practicals)
Paper VIII	- Life Skills
Paper IX	- Digital film production (Practicals)
Paper X	- Major Project and Viva - Voce (Short film)

***(Semester Pattern for Community College Only)**

(C17CG11/E17CG01) PAPER I: HISTORY OF CINEMA & FILM APPRECIATION

UNIT I

Introduction to Cinema – What is Cinema – Definitions – Visual medium – Popular Art Form – What is Film Appreciation? Why it is necessary? – How to raise our level of Film Appreciation? Elements of Cinema – 3 Sectors of Film Industry – 3 Fundamental Structures in every film (Visual, Audio, and Editing) – 3 Stages in Film-making (Pre-Production, Production, Post-Production)

UNIT II

Different ‘Genres’ of films 1) Fictional films and 2) Non-Fictional films Analysis. History of Cinema – International, National & Regional – Origin & Development – From Puppetry to Still Photography – Invention of Movie-Camera – Thomas Alva Edison and his ‘Kinetoscope Films’

UNIT III

Projection of 10 ‘Actualities’ by Lumiere Brothers on 28.12.1895 at Paris – George Melies& his short Films – ‘Trip to the Moon’ – Edwin S. Porter and his ‘Great Train Robbery’ – D.W.Griffith and his 400 ‘One-Reelers’ Early Silent films in other Countries – Germany, France, Soviet Union – Soviet Montage – Sergei Eisenstein.

UNIT IV

Silent Film history of India – Pioneers – D.G.Phalke and his “Raja Harischandra” – “Keechakavadham “ by Nataraja Mudaliar and other Silent films of India. - ‘Touring Cinema’ concept by Swamikannu Vincent – Growth of Exhibition Sector – Studio System in Hollywood and in India. Arrival of Talkies – Research and Development – “Jazz singer” , “Alam Ara” , “Kalidhas” – Early talkies of India , especially in Tamil – Talkies in other Countries – Italian ‘Neo – Realism’ and “French New Wave” – Orson Welles – Akira Kurosawa.

UNIT V

Satyajit Ray and his Bengali Films – Marathi/Hindi Films by V.Shantharam – Hindi Films by Raj Kapoor and Gurudutt. Early Talkies in Tamil – Songs-Oriented films – Dialogue – Oriented - Films by K.Subramaniam, T.R.Sundaram, Gemini Vasan, AVM Studios – Films of Krishnan-Panchu, Sridhar, K.Bheemsingh, K.Balachander, Bharathiraja, J.Mahendran, K.Bhagyaraj, Manirathinam, - Digital film making – Current Trends in Tamil Film Industry.

REFERENCES

- “The Oxford History of World Cinema” – By Geoffrey Nowell – Smith – Oxford University Press
- “How to Read Films” – By James Monaco – Oxford University Press

(C17CG12/E17CG02) PAPER II: INTRODUCTION TO BASICS OF PHOTOGRAPHY & CINEMATOGRAPHY

UNIT I

Photography- What is a camera - parts of camera - SLR cameras - DSLR cameras - Camera settings - Exposure - White balance - what lens does - lens characteristics - focal length - lens and composition - Depth of field - photographic accessories- Basics of Composition- Camera Filters & Filter factors

UNIT II

Cinematography- Early motion picture cameras- modern Digital motion picture cameras- film formats & Aspect ratios - motion picture film stock.

UNIT III

Digital cinematography beginning - sensors - resolution - analog/digital - shutter - ISO sensitivity - LCD - menu - memory cards- DSLR cinematography - Canon 5D MARK II & III - Sony a7sII-Understanding Histogram.

UNIT IV

Scene- sequence- shots by size- 180degree rule- Basic camera movements- panning-tilting- camera angles- Objective, Subjective, point of view shots- Filming space & time-track shoots- Zooms.

UNIT V

Basics of Colour theory

REFERENCE

The 5 C's of Cinematography, Joseph V. Mascelli, Los Angeles, Silman James Press, 1965

(C17CG13/E17CG03) PAPER III: INTRODUCTION TO LIGHTING

UNIT I

Theory of light - Inverse square Law- Colour Temperature- Different types of lighting - Safety measures - Light meters.

UNIT II

Types of light & fixtures - Natural light sources - Artificial light sources - Characteristics of natural and artificial light sources - Photographic light sources - Tungsten lights - Fluorescent lights - The concept of small and large light sources - Fresnel spot lamps - Open face lamps.

UNIT III

Gas discharge lamps - The concepts of metal Iodide lamps - HMI lamps - Importance of ballast in HMI lamps - Carbon arc lamps - PAR lamps - Modern technology lamps.

UNIT IV

Introduction to Light gel Filters- Diffusers.

UNIT V

Lighting accessories- Nets - Gauss - Barn doors - Reflectors - Dimmers - Scrims.

REFERENCES

- Motion Picture and Video Lighting, Brown: Blain, Focal Press, 1996
- Film and Video Terms and Concepts: Ferncase, Richard K. Boston: Focal Press, 1995
- Television Production Handbook: Zettl, Herbert Published 2005, Thomson Wadsworth
- TV Production: Gerald Millerson Published 1993, Focal Press

(C17CE10/E17CE10) Paper IV Communicative English

Unit I: Learning context

Concept of learning - Learning style -Grammatical framework - sentence framing - paragraph and texts

Unit II: Reading

Basic concept - Purposes of reading-Decoding-Reading materials - Barriers of reading

Unit III: Writing

Basic concept-Writing style-Terminology-stages-English spelling and punctuation - Written texts

Unit IV: Speaking

Language functions-Conversation- Features of spoken English - Types of English course: functional English, English literature, advance English - Phonetic

Unit V: Developing Communication Skills

Meaning -Classroom presence- Features of developing learning process- Practical skills and Listening- uses of communicative English

References Books:

1. Raman, m.&S. Sharma (2011) communication skills, OUP,New Delhi: India
2. Lata, P.&S. Kumar(2011) communication skills, OUP,New Delhi: India,
- 3.Leech,G&J.Svartvik(2002) A communicative grammar of English, Pearson,India,
4. Sethi, J. and P.V. Dharmija (2007) A course in Phonetics and spoken English. Second edition, Prentice hall: New Delhi

(C17CGP1/E17CGP1)PAPER V: LIGHTING - PRACTICALS - I

Course Content:

1. 3-Point Lighting
2. Key-Fill Lighting Ratios
3. 45°,90,180 Lighting(Rembrandt, Butterfly & Split Lightings)
4. Determining the exposure by using Light meter

(C17CG21/E17CG04) PAPER VI- ADVANCED CINEMATOGRAPHY

UNIT- I

Introduction to Advanced Digital cinema cameras: High Definition Cinema cameras - Canon cinema cameras - Red digital cinema cameras - ARRI Digital cinema cameras - Black magic cinema cameras 2.5k and 4k cameras - Sony cine Alta cinema cameras - New Digital cinema cameras - and Special applications cameras - High speed Cinematography - Time lapse cinematography- File formats & CODECS- Digital Colour Correction.

UNIT- II

Cinema lens: Introduction to cinema lens - Lens mount - Types of different lens used in motion picture industry - Anamorphic lens and uses- Lens crop Factor & Sensor sizes. Special Effects Cinematography: Green Matte- Miniature- Underwater- Aerial Filming- special rigs & grips- motion control cinematography.

UNIT- III

Aesthetics of Cinematography Composition: Rules of Composition- Frame Balance- Perspective- - staging dialogue sequence- Types of Shots- one point, two point, three point perspectives- space vs subjects- Imaginary line centre of interest- positioning centre of interest- selective focusing- dynamic composition.

UNIT- IV

Frame Rate: High Frame rate cinematography- Effects. Camera Movements Choreography: Line of action- panning to cover action- Exit and entrance of frame- Different Tracking shots- panning along with subjects- Different types of trolley shots- Crane Shots- Trolley with Crane- Crane Assembling. Special Camera Rigging: - Special riggings- Car, Bike, Helmet rigs.

UNIT- V

Advanced Lighting: CRI (color rendering Index) for different lights - Lighting for different faces- shooting Night Exteriors- outdoor lighting HMI- reflectors- warm and cool lighting - close-up lighting - lighting for rain- Three plane lighting. Colour Theory: Advanced Colour Theory- Different types of Colour schemes- Study of Colour (psychological impact).

REFERENCES

- Cinematography: Theory and Practice: Image Making for Cinematographers, Directors, and Videographers, Blain Brown, New York, Focal Press, 1993.
- The Camera Assistant's Manual, David E. Elkins, Los Angeles: Focal Press, 1993.

**(C17CG22/E17CG05)PAPER VII: CINEMA CAMERAS OPERATION -
PRACTICALS-II**

Course Content:

1. Assembling of Red Epic cinema camera - menu navigation - shooting - transferring data.
2. Sony A7SII - menu navigation - shooting - transferring data.
3. Different types of camera movements.

**(C17LS23/E17LS05)PAPER VIII (LIFE SKILL)
(Common to All Courses)**

UNIT-I ATTITUDE : Positive thinking - Goal setting - Problem Solving and Decision making - Leadership and Team Work.

UNIT-II COMMUNICATION SKILLS: Oral communication: Concept of English language - Fluency - Verbal communication in official and public situations.

UNIT-III COMMUNICATION SKILLS: Written Communication: Comprehension - Writing a formal letter like application for Job, enquiry, reply, complaint and such others - preparation of Resume, Curriculum Vitae.

UNIT-IV COMPUTING SKILLS - 1: Introduction to Computers, its various components and their respective functions - Memory storage devices - Microsoft (MS) Office - MS Word.

UNIT-V COMPUTING SKILLS - 2 Internet Basics - Origin of Internet - MODEM - ISP - Upload - Download - e-mail - Origin of worldwide web (www) Browsers - Search engines.

Reference books:

Life skill, Manonmaniam Sundaranar University Publications Division (2011)

(C17CGP2/E17CGP2)PAPER IX: DIGITAL FILM PRODUCTION -PRACTICALS III

Course Content:

1. Documentaries
2. Educational and Instructional Programs
3. Commercials- Public Service
4. Commercial-Product or Service

Students should do individual projects containing the record and the program

Final practical examination will test students on their ability to prepare a complete script And story board on any of the above-mentioned format.

(C17CGPW/E17CGPW) PAPER X: MAJOR PROJECT AND VIVA - VOCE (SHORT FILM)

COURSE DETAILS

The project on cinematography at the end of the second semester consists of the making of a short film/ documentary of comprising at least 6 types of shots.