



BACHELOR OF SCIENCE (B.Sc.)

(THREE YEAR DEGREE COURSE)

SUBJECT

STILL PHOTOGRAPHY

B.Sc.(STILL PHOTOGRAPHY)

COURSE STRUCTURE

FIRST YEAR

PAPER – 101: Introduction to Mass Communication & Media Science in India	75 MARKS
PAPER – 102: Basic Photography & Appreciation of Media	75 MARKS
PAPER – 103: PRACTICAL	50 MARKS

SECOND YEAR

PAPER – 201: Introduction to Shutter & Lenses	75 MARKS
PAPER – 202: Basic Photography – Colors & Printing Techniques	75 MARKS
PAPER – 203: PRACTICAL	50 MARKS

THIRD YEAR

PAPER – 301: Sound for the Media	75 MARKS
PAPER – 302: Project Work	75 MARKS
PAPER – 303: PRACTICAL	50 MARKS

B.Sc. (STILL PHOTOGRAPHY)

FIRST YEAR DETAILED SYALLBUS

PAPER – 101

INTRODUCTION TO MASS COMMUNICATION AND MEDIA SCIENCE IN INDIA

UNIT I

Concept and theories: communication concept, process and function, inter-personnel group communication. Relevance of communication theories to practice mode of communication. Impact and effect of communication.

UNIT II

Communication Techniques – Feedback and evaluation of communication, interview and questionnaires, methods of data analysis, library search, language and communication concept and practice, language and mass communication, language uses in different mass media, language of society.

UNIT III

Evaluation of press and its role in different Socio-economic and political systems, press law in India: Constitution and press laws – press bharti news reporting and editing, news paper layout, news analysis, desktop publishing techniques and word procession.

UNIT IV

Government information and publicity system. Basic principles of government publicity, government guidelines, operation of government publicity. Introduction to

radio as a medium of mass communication and its characteristics. Radio development in India. Techniques of radio programme production in India. Processing a film light sensitive chemical and its property, latent image development, fixing, development of film.

UNIT V

Camera Mechanism – shutter, aperture, focus, camera body, film, transport, view finder.

Comparison / classification of camera – their focusing mechanism, view finder, range finder, TLR, SLR, film format, large, medium, miniature, dice, etc.

Operation – exposure, tables of lighting, condition, camera handling.

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FIRST YEAR DETAILED SYALLBUS

PAPER – 102

BASIC PHOTOGRAPHY AND APPRECIATION OF MEDIA

UNIT I

Origin and History of Photography. This would include Evaluation of technology as well as philosophy of picture taking. Indian scenario : Development of Philosophy in Indian Historical and present day. Scope of Photography use and importance of picture Painting Vs Photography. Limitation and advantages of on one and another.

UNIT II

Photo appreciation : sensitive the students in visual communication by way of showing them out standing work done by photographer and asking critical appreciation of the same.

Rules of composition : In pictorial photography, laws of composition, form lines, tone, textures, figures, shapes, geometrical lines and shapes, mathematical figures, balance, repetition contrast, climax, cohesion.

UNIT III

Black and White Vs Coloured. Their limitation and advantages as independent medium.

Advertising Photography : Place of photography in visuals arts, applied photography.

UNIT IV

Properties of light: Electromagnetic Spectrum, theories of light transmission, refraction, polarization.

Controlling Light: Pin holes camera, simple, complex, concave, mirror lenses, lens aberrations, lens equations, correction of aberrations, ray diagram, correction lenses.

UNIT V

Introduction of television as medium of mass communication and its characteristics, television and techniques of production. Traditional form of communications (like puppet show, street theatres etc.)

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SECOND YEAR DETAILED SYALLBUS

PAPER – 201

INTRODUCTION TO SHUTTER & LENSES

UNIT I

1. Shutter types – their limitations.
2. Circle of confusion its effects on sharpness / blur.
3. Techniques of photographing action.
4. Aperture and its effects aberration, resolution, depth of fields, depth of focus.
5. Lenses / Optical materials, lens coating, plastics / glass, normal standard, telelens, wide, zoom, micro, macroles, laws governing depths of fields.

UNIT II

1. Supplementary lenses.
2. Flash – Type, Working, Exposure.
3. Exposure – Methods of estimations, types of exposure meters and their comparison, reciprocity failure.
4. Types of films and their characteristics filters : types, use, optical limitation, filter factor.

UNIT III

1. Photo lab Techniques:
 - (i). Types of enlarger.

- (ii). Types of light sources for enlarger.
 - (iii). Working of an enlarger.
 - (iv). Condenser lens Vs Diffuser enlarger.
 - (v). Lenses for enlarger.
2. Computerized Photo Finishing

UNIT IV

- 1. Constituents of developers.
- 2. Techniques of Development.
- 3. Types of Development.
- 4. Effect of over / under development.
- 5. Effect of temperature on development.

UNIT V

- 1. Effect of agitation on development.
- 2. Types of printing papers, grade, textures / weights colour / surface.
- 3. Mono bath development.
- 4. Instant Photography.
- 5. Special effects in printing.
- 6. Special effects in processing.

B.Sc. (STILL PHOTOGRAPHY)

SECOND YEAR DETAILED SYALLBUS

PAPER – 202

BASIC PHOTOGRAPHY – COLORS & PRINTING TECHNIQUES

UNIT I

(a) Colour Temperature (Mired & Kelvin Scale)

1. Tripac film.
2. Colour additive process.
3. Colour subtractive process.

(b) Filter of Colour

1. Ultra Violet filter.
2. Polarizing.
3. Sky Lighting.
4. Colour compensation filter.
5. Colour Conservation Filter.

(c) Lighting

1. Shortcoming of single flash unit
2. Their correction.

UNIT II

(a) Advanced Printing Techniques

1. Removal of rewsidue.
2. Use of water / chemical etc.
3. Toning

4. Optical density.

UNIT III

1. Scope of photo Journalism Importance of picture & Magazine in news programme.
2. Reporting through photos (news of parliament, sports, development stories, features and inter viewing etc.)
3. Photo Visualization of audience tastes, needs and news fall.

UNIT IV

1. Equipment for Photo – Journalism (Choice of right equipment in lens, camera, flash raw stock for a particular assignment).
2. Introduction and practice of rapid development finishing, drying.
3. Photographing the right moment (rapid focusing techniques : (a) auto focusing of cameras & lenses, (b) Range finding, (c) Hyper focal Distance.

UNIT V

1. Retrieval methods : Photo, C.D., Computerized access system, photo catalogue.
2. Photo editing: continuity, cropping, captions, size, placement.
3. Digital imaging.
4. Photo print technology quality control, printing technique.

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THIRD YEAR DETAILED SYALLBUS

PAPER – 301

SOUND FOR THE MEDIA

UNIT I

1. Characteristics of sound wave and its prorogation
2. Acoustics, Echo. R.T. Decibels etc.
3. Quality of sound,. Frequency reference, S?N ratio distortions
4. Mechanism of Human speech and hearing physiology and psychology thresholds of hearing and feeling etc.

UNIT II

1. Microphones- different types
2. Mikes- special types and accessories, wireless, lappet, reflector type shotgun.
3. Directional response and polar diagram.
4. Factors governing the selection of mikes.

UNIT III

1. Magnetic recording principles.
2. Tape recorders and playback Machines.
3. Audio Tapes.
4. Types of cables and connector's and their uses.

UNIT IV

1. Organisation of sound effects and music library.
2. Difference in the recording, editing and mixing for different media.
3. Audio visual contrast and harmony creative application.

UNIT V

1. Techniques in Cinematography, Fade-out, Fade-in, Dissolve, Wipe, Cuts, Shorts-Long Shots, Medium shots, Extreme long shot, Extreme, does ups.

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THIRD YEAR DETAILED SYALLBUS

PAPER – 302

PROJECT WORK

ANY THREE OF THE FOLLOWING PROJECT IN COUNSULTATION WITH THE TEACHER CONCERNED THIS WORK WILL BE SUBMITTED TO THE PRACTICAL EXAMINAR

MATERIAL- MATERIAL REQUIRED FOR THE PROJECT BY THE STUDENT

1. A photographic Essay on any THEME of SUBJECT consisting of six to Eight prints at least 7x9.
2. A photographic essay as above consisting of 10 to 12 slides in colour.
3. A set of advertising study for calendar or a set of greeting cards.
4. A set of four Exhibition prints of 10x12 inches.
5. Some picture by applying he reversal or solarizationtechnique.
6. Set of creative still life studies. Table Top or photograms.