



INTEGRAL UNIVERSITY, LUCKNOW
INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF ALLIED AND HEALTHCARE SCIENCES

DIPLOMA IN PHOTOGRAPHY

SYLLABUS AND EVALUATION SCHEME

ONE-YEAR PROGRAM



Integral University, Lucknow
Department of Allied and Healthcare Sciences
Study and Evaluation Scheme

Program: Diploma in Photography

S. N.	Course code	Course Title	Type of Paper	Period Per hr/ week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits
				L	T	P	CT	TA	Total	ESE			
THEORIES													
1.	DP101	Introduction to Photography	Core	3	1	0	40	20	60	40	100	3:1:0	4
2.	DP102	Basic of Lighting	Core	3	1	0	40	20	60	40	100	3:1:0	4
3.	DP103	Digital Photography	Core	3	1	0	40	20	60	40	100	3:1:0	4
4.	DP104	Forensic Photography	Core	3	1	0	40	20	60	40	100	3:1:0	4
5.	DP105	Specialized Forensic Photography	Core	3	1	0	40	20	60	40	100	3:1:0	4
6.	DP106	Image Processing and Analysis	Core	3	1	0	40	20	60	40	100	3:1:0	4
7.	DP107	Legal and Ethical Aspects of Forensic Photography	Core	3	1	0	40	20	60	40	100	3:1:0	4
PRACTICAL													
8.	DP108	Forensic Photography-Lab: Practical Applications and Fieldwork	Core	0	0	4	40	20	60	40	100	0:0:2	2
9.	DP109	Capstone Project/Internship	Core	0	0	4	40	20	60	40	100	0:0:2	2
Total				21	07	08	360	180	540	360	900	21:07:04	32

S. N.	Course code	Course Title	Type of Paper	Attributes							United Nation Sustainable Development Goal (SDGs)
				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES											
1.	DP101	Introduction to Photography	Core	√	√	√	√		√	√	3,4
2.	DP102	Basic of Lighting	Core	√	√	√	√		√	√	3,4
3.	DP103	Digital Photography	Core	√	√	√	√		√	√	3,4
4.	DP104	Crime Scene Photography	Core	√	√	√	√		√	√	3,4
5.	DP105	Specialized Forensic Photography	Core	√	√	√	√		√	√	3,4
6.	DP106	Image Processing and Analysis	Core	√	√	√	√		√	√	3,4, 11
7.	DP107	Legal and Ethical Aspects of Forensic Photography	Core	√	√	√	√		√	√	3,4
PRACTICAL											
8.	DP108	Forensic Photography-Lab: Practical Applications and Fieldwork	Core	√	√	√	√		√	√	3,4
9.	DP109	Capstone Project/Internship	Core	√	√	√	√		√	√	3,4

L: Lecture **T:** Tutorials **P:** Practical **CT:** Class Test **TA:** Teacher Assessment **ESE:** End Semester Examination,
AE= Ability enhancement, **DSE-** Discipline Specific Elective, **Sessional Total:** Class Test + Teacher Assessment **Subject Total:** Sessional Total + End Semester Examination (ESE)



Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	DP101	Title of the Course	Introduction to photography	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This certificate course is designed to provide beginners with a solid foundation in photography. It covers the fundamental concepts and techniques necessary to capture compelling photographs. Throughout the course, students will learn about camera settings, composition, lighting, and post-processing, enabling them to enhance their photography skills and produce high-quality images.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:	
CO1	Understand the basic principles of photography and how to apply them effectively.
CO2	Learn about different types of cameras, lenses, and accessories.
CO3	Develop skills in composition and framing to create visually appealing photographs.
CO4	Explore various genres of photography such as landscape, portrait, still life.
CO5	Develop a personal photographic style and creative vision.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Camera Basics	Introduction to different types of cameras (DSLR, mirrorless, point-and-shoot), camera anatomy and understanding key features and settings, exploring different shooting modes (auto, manual, aperture priority, shutter priority), Basic understanding of exposure (ISO, aperture, shutter speed), Practicing camera handling and basic technique	8	CO1
2	Composition and Framing	Understanding the rule of thirds and its applications, Compositional techniques (leading lines, framing, symmetry, etc., Exploring different perspectives and viewpoints)	8	CO2
3	Lighting and Exposure	Introduction to natural and artificial lighting, Understanding different qualities and directions of light.	8	CO3
4	Capturing Moments	Exploring different photography genres (portrait, landscape, street, etc.), techniques for capturing candid and posed moments, Approaches to storytelling through photography	8	CO4
5	Image Presentation and Critique	Basics of image selection and curation, Introduction to image presentation techniques (prints, digital portfolios, exhibitions), conducting and participating in constructive image critiques, Understanding the importance of feedback in improving photography skills.	8	CO5

Reference Books:

1. Learning Photography: A Beginner's Guide" by Iqbal Mohammed
2. Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
3. NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
4. Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

1. <http://www.youtube.com/watch?v=G5zSzT-vcU>
2. <http://www.youtube.com/watch?v=wDO3urFbrSdl>
3. <http://www.youtube.com/watch?v=xJMeVYIz-BE>

PO-PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5
CO1	2	3	1	2	3	2	2	3	2	2	2	3	2	3	3	2
CO2	3	2	2	3	2	3	1	3	3	3	2	2	3	2	2	3
CO3	2	1	3	2	2	3	2	2	2	3	3	3	3	3	3	3
CO4	3	3	3	1	3	2	3	2	3	2	2	3	2	3	2	3
CO5	3	1	2	1	2	1	2	3	2	2	2	3	2	2	3	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP101	Introduction to photography	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3, 4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	DP102	Title of the Course	Basic of Lighting	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the properties and behavior of light and identify different types of light sources and their effects on photography.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:

CO1	Develop a fundamental understanding of the properties and behavior of light.
CO2	Identify different types of light sources and their effects on photography.
CO3	Recognize how light can be manipulated to achieve specific moods and atmosphere in photographs.
CO4	Understand the relationship between light and the subject in a photograph.
CO5	Apply the knowledge of light to enhance the overall quality and impact of photographs.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction to Light	Exploring the properties and characteristics of light, Understanding the electromagnetic spectrum and its relevance to photography, Differentiating between natural and artificial light sources.	8	CO1
2	Natural Lights and its Qualities	Studying the characteristics of natural light during different times of day, Understanding the effects of weather conditions on natural light, Analyzing the qualities of different types of natural light (direct, diffused, golden hour, etc.)	8	CO2
3	Artificial Lighting Techniques	Introduction to artificial lighting equipment (strobes, continuous lights, speedlights etc.), Understanding different lighting setups and their effects on the subject, Mastering techniques for balancing natural and artificial light, Exploring creative uses of artificial lighting for various genres of photography.	8	CO3
4	Modifiers and Accessories	Introduction to light modifiers (soft boxes umbrellas, reflectors, etc.) and their effects, Understanding the role of light modifiers in shaping and controlling light, exploring techniques for using light modifiers to achieve specific lighting effects.	8	CO4
5	Creative Lighting and Experimentation	Exploring experimental and creative lighting techniques in photography, Using colored gels and filters to modify the color of light, Creating dramatic lighting effects through unconventional methods.	8	CO5

Reference Books:

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3. NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
4. Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

<https://www.youtube.com/watch?v=o7vB-Re5as>

<https://www.youtube.com/watch?v=daFzgNLhjEY>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	2	2	3	3	2	3	3	2	2	3	3	3	3
CO2	3	3	3	3	3	3	2	2	3	2	3	3	3	3	3	2	2
CO3	2	3	2	3	2	2	2	2	3	2	3	3	3	2	2	3	3
CO4	3	2	2	3	2	2	3	3	2	3	2	2	3	3	3	3	3
CO5	2	2	3	3	3	2	3	3	3	2	2	3	3	3	3	2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP102	Basic of Lighting	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	DP103	Title of the Course	Digital Photography	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the properties and behavior of light Identifying different types of provides students with a comprehensive understanding of various photography genres, enabling them to apply appropriate techniques and composition principles to capture compelling images to each genre.						

Course Outcomes: After the successful course completion, learners will develop following attributes:	
CO1	Explore different aspects of portrait photography broaden creative perspective and develop a versatile portfolio.
CO2	Understand the different aspects of landscape photography broaden creative perspective and develop a versatile portfolio.
CO3	Explore different aspects of street photography broaden creative perspective and develop a versatile portfolio.
CO4	Explore different aspects of macro photography broaden creative perspective and develop a versatile portfolio.
CO5	Gain and understand visual storytelling techniques and apply them to create compelling narratives through photography.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Portrait Photography	Understanding the basics of portrait photography, Techniques for capturing expressive facial expressions, Exploring various lighting setups for portraits.	8	CO1
2	Landscape Photography	Introduction to landscape photography composition, Techniques for capturing dynamic landscapes, Exploring the use of filters and long exposures in landscape photography.	8	CO2
3	Street Photography	Introduction to the fundamentals of street photography, Techniques for capturing candid moments in urban environments, Exploring different approaches to storytelling in street photography.	8	CO3
4	Macro Photography	Understanding the essentials of macro photography, Techniques for capturing close-up details and textures, Exploring lighting and equipment considerations in macro photography.	8	CO4
5	Creative Documentary Photography	Introduction to documentary photographs and its purpose, Techniques for capturing compelling and impactful documentary images, Exploring ethical consideration and storytelling approaches in documentary photography.	8	CO5

Reference Books:

Learning Photography: A Beginner's Guide" by Iqbal Mohammed

Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik

NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).

Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

<https://www.youtube.com/watch?v=o7vB-Re5as>

<https://www.youtube.com/watch?v=daFzgNLhjEY>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	2	3	3	2	2	3	3	2	3	3	2	2	3	2
CO2	3	3	3	3	2	3	2	3	3	2	3	2	2	3	3	3	3
CO3	3	3	2	2	3	2	3	3	2	2	2	3	3	2	3	2	3
CO4	3	2	2	3	3	3	2	2	2	3	3	3	3	3	3	3	3
CO5	3	2	3	3	3	2	2	3	3	3	3	2	2	3	2	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP103	Digital Photography	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	DP104	Title of the Course	Crime Scene Photography	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the principles and importance of photographing the various types of crime scenes and their components, including the victims and suspects.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:

CO1	Explore the role and importance of crime scene photography.
CO2	To learn and understand the key aspects of indoor crime scene photography.
CO3	To learn and understand the key aspects of outdoor crime scene photography.
CO4	Acquire skills in photography of victims and suspects to effectively record all the forensically relevant key points.
CO5	Build a strong understanding of photographing the various kinds of physical evidence for forensic consideration.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Principles of Crime Scene Photography	Importance and objectives of crime scene photography, Standard operating procedures, Overview of forensic photography tools, Types of evidence requiring photography, best practices for documentation	8	CO1
2	Photography at Indoor Crime Scenes	Lighting and exposure for indoor environments, Techniques for photographing evidence indoors, Handling reflective surfaces and shadows, Use of tripods and flash units, Case studies	8	CO2
3	Photography at Outdoor Crime Scenes	Challenges in outdoor crime scene photography, Time-of-day considerations, Use of natural and artificial light, Techniques for capturing wide-area scenes, and Documentation of environmental conditions.	8	CO3
4	Photography of Victims and Suspects	Techniques for photographing injuries and wounds, Ethical considerations in victim photography, Facial recognition photography, Capturing tattoos, scars, and unique identifiers, Documenting suspects at the crime scene	8	CO4
5	Photography of Physical Evidence	Techniques for photographing fingerprints, footprints, and tire marks, Handling biological evidence (bloodstains, hair, fibers), Photographing weapons and ballistic evidence, Documenting tool marks and other trace evidence, Case studies	8	CO5

Reference Books:

1. Learning Photography: A Beginner's Guide" by Iqbal Mohammed
2. Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
3. NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
4. Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

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2. <https://www.youtube.com/watch?v=daFzgNLhjEY>

PO-PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	3	3	3	2	3	2	2	2	3	2	3	3	2	3
CO2	2	3	3	2	2	3	2	3	3	3	2	2	3	2	2	3	2
CO3	3	2	3	2	2	2	3	2	2	3	3	3	3	3	3	3	2
CO4	2	2	2	3	3	2	3	2	3	2	2	3	2	3	2	3	2
CO5	2	2	2	2	2	2	2	3	2	2	2	3	2	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP104	Crime Scene Photography	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	DP105	Title of the Course	Specialized Forensic Photography	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the importance the photographing and recording various types of forensic cases and conditions using advanced techniques and to learn about countering the challenges of forensic photography.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:	
CO1	Explore different aspects of photographing the crime scene of Fire, Arson, and Disaster Management.
CO2	Develop an understanding of various techniques and the importance of photographing questioned documents and the cases of sexual assaults.
CO3	Develop a solid foundation in underwater photography for a forensic perspective.
CO4	Acquire skills in various advanced photography techniques effectively.
CO5	Build a strong understanding of various aspects of forensic photography using different tools and techniques.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Forensic Photography of Fire, Arson Scenes and Disaster Management	Techniques for documenting burn patterns, fire damage and mass casualty events. Handling evidence in arson and mass Disaster investigations. Role of photography in disaster scenarios. Challenges in photographing fire scenes and large-scale evidence documentation. Legal and ethical considerations, Case studies.	8	CO1
2	Forensic Photography of Questioned Documents & Sexual Assault Cases	Techniques for photographing documents as evidence, Handling and preservation of documents, Use of specialized lighting for document photography, Analysis of handwriting, inks, and paper. Ethical considerations in photographing victims of sexual assault, Techniques for documenting injuries and evidence, Collaboration with forensic nurses and medical examiners, Legal considerations in evidence handling, Case studies	8	CO2
3	Photography of Underwater Forensic Photography	Challenges of underwater photography, Techniques for documenting submerged evidence, Equipment required for underwater photography, Legal and ethical considerations, Case studies	8	CO3
4	Advanced Photography Techniques	Principles of UV and IR photography, Applications in forensic investigations, Techniques for capturing invisible evidence, Equipment and filters required. Introduction to photogrammetry, 3D reconstruction of crime scenes, Applications in forensic investigations, Software and tools for 3D imaging, Case studies.	8	CO4
5	Photography with Challenges	Low-Light and Night Photography, Use of long exposure, and flash photography techniques. Handling light pollution, Panoramic and Aerial Photography: Introduction of Panoramic and Aerial Photography. Techniques, equipment and software used for Panoramic and Aerial Photography, Drone photography and its forensic applications. Challenges of Drone, Panoramic and Aerial Photography and low-light conditions. Legal and ethical considerations. Case studies.	8	CO5

Reference Books:

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2. Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
3. NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
4. Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

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2. <https://www.youtube.com/watch?v=daFzgNLhjEY>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
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CO2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	3
CO3	3	2	2	2	2	3	2	3	3	3	3	3	3	3	2	2	2
CO4	3	3	2	2	3	3	2	2	2	3	2	2	2	2	2	3	2
CO5	2	3	2	2	3	3	2	2	2	3	2	2	2	2	2	3	2

2- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP105	Specialized Forensic Photography	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26							
Course Code	DP106	Title of the Course	Image Processing and Analysis	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the various aspects of digital image processing, forensic image analysis, and their reporting as well as presentation in a court of law in forensic casework.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:	
CO1	Understanding the various aspects of digital image processing for best practice and forensically sound manner.
CO2	Will be able to analyze the forensic image using various tools and techniques.
CO3	Learn and practice image authentication and verification using different tools and techniques for forensic consideration.
CO4	Will be able to understand the presentation and explanation of photographic evidence in a court of law.
CO5	Understanding the key aspects of documentation and forensic report writing.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Digital Image Processing Techniques	Basics of image processing software, Techniques for enhancing forensic images, Adjusting contrast, brightness, and color balance, Sharpening and noise reduction, Ethical considerations in image processing	8	CO1
2	Image Forensic Image Analysis	Techniques for analyzing forensic images, Measurement and comparison of evidence, Use of image analysis software, Interpretation of photographic evidence, Case studies	8	CO2
3	Image Authentication and Verification	Methods for authenticating digital images, Techniques for detecting image manipulation, Tools for image verification, Legal implications of image authentication, Case studies	8	CO3
4	Presentation of Photographic Evidence	Preparing images for court presentation, Techniques for creating visual aids, Importance of maintaining image integrity, Best practices for presenting evidence in court, Case studies	8	CO4
5	Documentation and Report Writing	Importance of thorough documentation, Techniques for writing forensic photography reports, Legal requirements for documentation, Use of photographic evidence in reports, Case studies	8	CO5

Reference Books:	
1.	Learning Photography: A Beginner's Guide" by Iqbal Mohammed
2.	Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
3.	NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6 th Edition).
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e-Learning Source:	
1.	https://www.youtube.com/watch?v=o7vB-Re5as
2.	https://www.youtube.com/watch?v=daFzgNLhjEY

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	1	1	2	2	2	1	1	2	2	2	2	2	2	1
CO2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1
CO3	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2
CO4	1	1	1	2	1	1	2	2	2	1	2	2	2	2	2	1	2
CO5	2	1	2	2	1	1	2	2	2	1	2	2	2	2	2	1	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs									
Course Code	Course Title	Attributes							SDGs No.
DP106	Image Processing and Analysis	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
		√	√	√		√		√	3.4



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	DP107	Title of the Course	Legal and Ethical Aspects of Forensic Photography	L	T	P	C
Year	I	Semester	-	3	1	0	4
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	This course aims to develop a fundamental understanding of the importance and key aspects of handling sensitive cases along with the legal and ethical framework of forensic photography.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:

CO1	Explore the different aspects of legal aspects of forensic photography and its importance.
CO2	Understanding of the various ethical issues in forensic photography.
CO3	Will be able to give expert testimony in a court of law as a forensic photographer.
CO4	Understanding of handling sensitive cases as a forensic photographer for maintaining objectivity and professionalism.
CO5	Explore the different Emerging Trends and Challenges in forensic photography.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Legal Framework and Forensic Photography	Overview of relevant laws and regulations, Legal rights and responsibilities of forensic photographers, Chain of custody and evidence handling, Court admissibility of photographic evidence, Case studies	8	CO1
2	Ethical Issues in Forensic Photography	Ethical considerations in crime scene photography, Privacy and confidentiality concerns, Impact of photography on victims and their families, Best practices for ethical conduct, Case studies	8	CO2
3	Testifying as an Expert Witness	Techniques for photographing documents as evidence, Handling and preservation of documents, Use of specialized lighting for document photography, Analysis of handwriting, inks, and paper, Case studies	8	CO3
4	Handling Sensitive Cases	Special considerations for photographing sensitive cases, Techniques for maintaining objectivity and professionalism, Legal implications of handling sensitive evidence, Best practices for documenting high-profile cases, Case studies	8	CO4
5	Emerging Trends and Challenges	Advances in forensic photography technology, Challenges in the digital age, Future trends in forensic photography, Impact of technology on legal and ethical standards, Case studies	8	CO5

Reference Books:

1. Learning Photography: A Beginner's Guide" by Iqbal Mohammed
2. Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
3. NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
4. Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

e-Learning Source:

1. <https://www.youtube.com/watch?v=o7vB-Re5as>
2. <https://www.youtube.com/watch?v=daFzgNLhjEY>

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3	3	2	3	2	2	2	3	2	3	3	2	3
CO2	2	3	3	2	2	3	2	3	3	3	2	2	3	2	2	3	2
CO3	3	3	3	2	2	2	3	2	2	3	3	3	3	3	3	3	3
CO4	2	2	2	3	3	2	3	2	3	2	2	3	2	3	2	3	2
CO5	2	2	2	2	2	1	2	3	2	2	2	3	2	2	3	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP107	Legal and Ethical Aspects of Forensic Photography	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	DP108	Title of the Course	Forensic Photography-Lab: Practical Applications and Fieldwork	L	T	P	C
Year	I	Semester	-	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Develop real-world and practical skills in crime scene simulation, field photography techniques, collaborative investigation, forensic lab work, and using software and tools for image enhancement.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:

CO1	Develop practical skills in handling and recording various types of crime scenes.
CO2	Acquire practical skills in executing various photography techniques for forensic consideration.
CO3	Enhance proficiency in Collaborative Investigations in crime scene photography.
CO4	Gain a practical understanding of forensic image processing and analysis.
CO5	Demonstrating the ability to use various tools and techniques for image enhancement and reporting of results.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Crime Scene Simulations	<ul style="list-style-type: none"> Practical exercises in crime scene documentation Role-playing and real-time scenario analysis Techniques for handling different types of crime scenes Review and critique of photographic evidence 	4	CO1-5
2	Field Photography Techniques	<ul style="list-style-type: none"> On-site training in real-world environments Techniques for photographing outdoor and indoor scenes Use of specialized equipment in the field Collaboration with other forensic team members 	4	
3	Collaborative Investigations	<ul style="list-style-type: none"> Role of forensic photography in multidisciplinary teams Techniques for working with law enforcement and legal professionals Communication and documentation best practices Real-world case studies of collaborative investigations Review and analysis of outcomes 	4	
4	Forensic Photography Lab Work	<ul style="list-style-type: none"> Hands-on experience in a forensic photography lab Techniques for processing and analyzing photographic evidence 	4	
5	Image Enhancement and Reporting	<ul style="list-style-type: none"> Use of software and tools for image enhancement Documentation and reporting of lab results 	4	

Reference Books:

- 1- Learning Photography: A Beginner's Guide" by Iqbal Mohammed
- 2- Fundamentals of Photography: The Essential Handbook for Beginners "by Vijaykumar D. Naik
- 3- NB. R. Sharma, Forensic Science in Criminal Investigation and Trials(6th Edition).
- 4- Saferstein, Richard, Criminalistics - An Introduction to Forensic Science, 6th Ed. Prentice-Hall, New Jersey,

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
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CO2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	3
CO3	3	2	2	2	2	3	2	3	3	3	3	3	3	3	2	2	2
CO4	3	3	2	2	3	3	2	2	2	3	2	2	2	2	2	3	2
CO5	2	3	2	2	3	3	2	2	2	3	2	2	2	2	2	3	2

2- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes							SDGs No.
DP108	Forensic Photography-Lab: Practical Applications and Fieldwork	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	3,4
		√	√	√			√	√	



Integral University, Lucknow

Effective from Session: 2025-26

Course Code	DP109	Title of the Course	Capstone Project/Internship	L	T	P	C
Year	I	Semester	III	0	0	4	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Develop skills in conceptualizing and planning a photography project, Including defining objectives and selecting a theme or subject. Acquire proficiency in executing a photography project, applying appropriate techniques, compositing principles, and capturing images that align with the project concept.						

Course Outcomes: After the successful course completion, learners will develop the following attributes:

CO1	Able to understand the importance of photography project planning.
CO2	Will be able to develop a detailed project proposal, including timeline and resource requirements.
CO3	Will be able to use appropriate techniques and composition principles to capture images for the project
CO4	Able to analyze the selections of images in a forensically sound manner.
CO5	Will be able to evaluate the effectiveness of the project.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Planning and Conceptualizing Photography Projects	Understanding the importance of project planning and defining objectives different approaches to conceptualizing a photography project searching and selecting a theme or subject for the project	4	CO1-5
2	Project Proposal, Timeline, and Resource Planning in Photography	Developing a detailed project proposal, including timeline and resource requirements.	4	
3	Applying Techniques and Composition in Photography Projects	Applying appropriate techniques and composition principles to capture images for the project determining with the different angles, lighting, and cameras setting to achieve desired results.	4	
4	Curation and Presentation of Photography Portfolios	Analyzing the selection of images and arranging them in a logical and visually appealing sequence paring and presenting the project in a suitable format, such as a digital portfolio or physical exhibition	4	
5	Photography Project Evaluation and Critique	Participating in a critique session to receive feedback and evaluate the effectiveness of the project	4	

Reference Books:

1. Safer stein, R; Forensic Science Handbook. Vol. I, II, (Edition), Prentice Hall, New Jersey, 1988.
2. Shaw, D; Physics in the Prevention and Detection of Crime, Contemn Phys. Vol.17, 1976.
3. Caddy, B; Forensic Examination of Glass and Paint Analysis and Interpretation, CRC Press, New York, 2001.
4. B. R. Sharma, Forensic Science in Criminal Investigation and Trials (6th Edition).

e-Learning Source:

1. <https://youtu.be/AJAv8M4m9nM>
2. <https://youtu.be/TIKaHu8WsV8>
3. https://youtu.be/LpndOfsq_6M

Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
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CO2	3	3	3	3	3	2	2	3	2	3	3	3	3	3	2	2
CO3	2	3	2	3	2	2	2	3	2	3	3	3	2	2	3	3
CO4	3	2	2	3	2	3	3	2	3	2	2	3	3	3	3	3
CO5	2	2	3	3	2	3	3	3	2	2	3	3	3	3	2	2

3- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	Course Title	Attributes								SDGs No.
DP109	Capstone Project/Internship	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics		3,4
		√	√	√			√	√		