



Indraprastha College for Women University of Delhi

Work Plan for ODD SEMESTER –2026

Course Name:	SEC
Paper Title:	Viewing and Capturing Diversity in Nature
Unique Paper Code:	2186000005
Semester:	III
Faculty:	Dr. Nawin Kumar Tiwary
Year:	2025-26

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
1	Describe and use digital camera and smartphone camera functions and their applications. Employ different photographic equipment to enhance photographic skills and create digital resources. Discriminate between photographic variables with reference to weather and season. Employ photographic skills in various professions and entrepreneurship.	1	Parts of a digital camera — 4 hours
2	-do-	1	Principle and working of digital camera/smartphone camera — 4 hours
3	-do-	1	Working and handling of light microscopes (Dissection and Compound) — 4 hours
4	-do-	2	Study of plant forms through microscopic lens — 8 hours • Single-celled forms • Colonial forms • Filamentous forms • Multicellular and complex forms
5	-do-	1	Techniques of capturing

[illegible]

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Unit	Contents/Syllabus
I	NA
II	NA
III	NA
S.No.	Name of Authors/Books/Publishers
1.	• Ang, T. (2008). <i>Fundamentals of Modern Photography</i> . London: Mitchell.
2.	• Freeman Patterson. <i>The Art of Seeing</i> . Key Porter Books.
3.	• Tim Fitzharris. <i>Landscape Photography</i> . Firefly Books.
4.	• Kelby, S. (2012). <i>The Digital Photography Book</i> . Peachpit Press.
5.	• Langford, M., Fox, A., & Smith, R. S. (2013). <i>Langford Basic Photography: The Guide for Serious Photographers</i> . Amsterdam: Focal Press/Elsevier.
6.	• Peterson, B. (2016). <i>Understanding Exposure: How to Shoot Great Photographs with Any Camera</i> . AmPhoto Books.

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
4			2
Assessment Scheme			

S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment • Assignment • ClassTest • Attendance		
2.	Continuous Assessment (Tutorial) • Activity 1 • Activity 2 • Attendance		
3.	Practical • Continuous Assessment • End Term Written/Practical Exam • Viva		80
		80	
4.	EndSemesterExamination		