



FORMAT FOR COURSE CURRICULUM

Course Title: - Forensic Physics - Practical

Course Code: - FSIC 611

Level: - PG

Credit Distribution			
L	T	P	Total
2	0	4	4

Course Objective: - The students will understand & perform experiments relating to:

- Examination of physical properties of physical evidences commonly encountered at crime scene.

Course Prerequisite: - Basic knowledge in Physics.

Student Learning Outcomes: - After completing the practical's the student will have the knowledge to practically:

- **Examine** physical properties of various evidences like Soil, Glass, paints etc.
- **Compare** different cloth pieces and thread from crime scene.
- **Examine** fibers through chemical analysis.
- **Compare** bangles found at crime scene.

Course Contents: -	Weightage (%)
Module 1: Formation and types of soil, composition of soil, particle size distribution, microscopic examination. Types of glass and their composition, Forensic examination of glass fractures. Types of paint and their composition, macroscopic and microscopic studies.	25
Module 2: Different types of fibres, natural and synthetic, their identification and chemical examination. Glass pieces from crime scene – their collection and matching.	25
Total	50%

Pedagogy: - This course will be taught in the active –learning mode, featuring lectures and practicals which would provide students abundant opportunity for performing, learning and interaction.

Course Contents: - Lab/Practical	Weightage (%)
<ul style="list-style-type: none"> • Examination of physical properties of Soil. • Examination of physical properties of Glass. • Examination of physical properties of paints. • Physical examination of threads. • Comparison of different cloth pieces from crime scene. • Identification of fibers through chemical analysis. • Comparison of bangles. 	50
Total	50%

Assessment/ Examination Scheme: -

Theory L/T (%)	Lab/Practical/Studio (%)	Total
50	50	100

Theory Assessment (L&T): -

Components	CIA (30%)			ESE (70%)
	A	H	CT	
Weightage (%)	5	10	15	70

Lab/ Practical/ Studio Assessment: -

Components	CIA (30%)		ESE (70%)		
	Practical (Conduction Through Out the Semester)	Attachment	Record File	Viva	Practical Exam
Weightage (%)	25	5	10	25	35