

## **COURSES OFFERED BY THE DEPARTMENT**

The course has been designed in such a way that student is exposed to a wide array of topics giving equal emphasis to pure and applied aspects of the subject. The scheme of year-wise paper options in each semester is as under

Students opting for Forensic Science as main/major subject are required to take all the papers under UG and PG Program .They will also be required to take all the papers of Foundation Courses i.e. Hindi & English and all the papers of Applied Courses i.e. Zoology, Botany & Chemistry. In addition, they will be required to take papers from subjects other than Forensic Science EVS.

- B.Sc Forensic Science (Hons) 3 Years course (06 Semester).
- M. Sc. Forensic Science (04 semester) (Specialization in Questioned Document, Forensic Biology and Serology, Forensic Chemistry and Toxicology etc.

### **Fee Structure**

	<b>At the time of admission</b>	<b>II Semester</b>	<b>III Semester</b>	<b>IV Semester</b>	<b>V Semester</b>	<b>VI Semester</b>
<b>B.S. (Forensic Science)</b>	<b>Rs.5350/-</b>	<b>Rs. 2800/-</b>	<b>Rs.3500/-</b>	<b>Rs. 2800/-</b>	<b>Rs.3500/-</b>	<b>Rs.2800/-</b>
<b>M.Sc. (Forensic Science)</b>	<b>Rs. 5800</b>	<b>Rs. 3250/-</b>	<b>Rs.4000/-</b>	<b>Rs. 3250/-</b>		

Examination and other university fees shall be charged separately as per notification as issued from time to time.

## THE SCHEME OF PAPERS TO BE OPTED IN EACH SEMESTER:

### B.SC. HONORS IN FORENSIC SCIENCE

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
First	Core-1	LS/FSC/C-101L	Introduction to Forensic Science	4	4
	Core -1 Practical	LS/ FSC/C-101P	Practicals based on Crime Scene	2	4
	Core -2	LS/ FSC/C-102L	Crime and Society	4	4
	Core -2 Practical	LS/ FSC/C-102P	Practicals based on Crime and Society	2	4
	Generic Elective - 1 (GE- I)	LS/ FSC/GE-101/L	Elementary Forensic Science	4	4
	Generic Elective – Practical	LS/ FSC/GE-101/P	Practicals based on Crime Scene Investigation	2	4
	Ability Enhancement Compulsory Course (AECC)	LS/ FSC/AECC-101/EC	English Communication / MIL (Hindi Communication)	4*	4
	ECA	LS/FSC/ECA/	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others	2	(2)
			<b>Total</b>	<b>24</b>	<b>28</b>
Second	Core-3	LS/FSC/C-203-L	Criminal Law	4	4
	Core -3 Practical	LS/FSC/C-203-P	Practicals based on preparing schedules	2	4
	Core -4	LS/FSC/C-204-L	Forensic Psychology	4	4
	Core -4 Practical	LS/FSC/C-204-P	Practicals based on Forensic Psychology	2	4
	Generic Elective - 2 (GE-2)	LS/FSC/GE-202-L	Applied Forensic Science	4	4
	Generic Elective – Practical	LS/FSC/GE-202-P	Practicals based on Applied Forensic Science	2	4
	Ability Enhancement Compulsory Course (AECC)	LS/FSC/AE-201/ES	Environmental Science	4*	4
	ECA		ECA-Extracurricular	2	(2)

			activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others		
			<b>Total</b>	<b>24</b>	<b>28</b>
<b>SUMMER Internship: 15 days</b>			<b>Swayam Swachhta / NSS / Industrial Tour/ others</b>	<b>2</b>	<b>100</b>
Third	Core-5	LS/FSC/C-305-L	Forensic Dermatoglyphics	4	4
	Core -5 Practical	LS/FSC/C-305-P	Practicals based on Finger Prints	2	4
	Core -6	LS/FSC/C-306-L	Technological Methods in Forensic Science	4	4
	Core -6 Practical	LS/FSC/C-306-P	Practicals based on Technological Methods	2	4
	Core – 7	LS/FSC/C-307-L	Criminalistics	4	4
	Core – 7 Practical	LS/FSC/C-307-P	Practicals based on Crime scene samples	2	4
	Generic Elective - 3 (GE-3)	LS/FSC/GE-303-L	Crime Scene Management	4	4
	Generic Elective – Practical	LS/FSC/GE-303-P	Practicals based on Crime Scene Management	2	4
	Skill Enhancement Course (SEC - 1)	LS/FSC/SEC-301-L	Introduction to Biometry	4*	2 (4)
			<b>Total</b>	<b>28</b>	<b>34</b>
Fourth	Core-8	LS/FSC/C-408-L	Forensic Chemistry	4	4
	Core -8 Practical	LS/FSC/C-408-P	Practicals based on Forensic Chemistry	2	4
	Core -9	LS/FSC/C-409-L	Questioned Documents	4	4
	Core -9 Practical	LS/FSC/C-409-P	Practicals based on Questioned Documents	2	4
	Core – 10	LS/FSC/C-410-L	Forensic Biology	4	4
	Core -10 Practical	LS/FSC/C-410-P	Practicals based on Forensic Biology	2	4
	Generic Elective - 4 (GE-4)	LS/FSC/GE-404-L	Advanced Forensic Science	4	4
	Generic Elective – Practical	LS/FSC/GE-404-P	Practicals based on Advanced Forensic Science	4	4
	Skill Enhancement Course (SEC - 2)	LS/FSC/SEC-402-L	Handwriting Identification and Recognition	4*	2 (4)
			<b>TOTAL</b>	<b>28</b>	<b>34</b>

<b>SUMMER Internship: 15 days</b>			<b>Swayam Swachhta / NSS / Industrial/ others</b>	<b>2</b>	<b>100</b>
Fifth	Core-11	LS/FSC/C-511-L	Forensic Ballistics	4	4
	Core -11 Practical	LS/FSC/C-511-P	Practicals based on Forensic Ballistics	2	4
	Core -12	LS/FSC/C-512-L	Forensic Toxicology	4	4
	Core -12 Practical	LS/FSC/C-512-P	Practicals based on Forensic Toxicological analysis	2	4
	Discipline Specific Elective (DSE-1A) (DSE-1B)	LS/FSC/DSE-501(A)-L LS/FSC/DSE-501-(B)-L	<b>A</b> Digital Forensics <b>B</b> Economic Offences	4	4
	DSE-1 - Practical	LS/FSC/DSE-501(A)-P LS/FSC/DSE-501-(B)-P	<b>A</b> Practicals based on Digital Forensics <b>B</b> Practical based on Economic offences	2	4
	Discipline Specific Elective (DSE-2A) (DSE-2B)	LS/FSC/DSE-502-(A)-L LS/FSC/DSE-502-(B)-L	<b>A</b> Forensic Serology <b>B</b> Accident Investigations	4	4
	DSE-2 – Practical	LS/FSC/DSE-502-(A)-P LS/FSC/DSE-502-(B)-P	<b>A</b> Practicals based on Forensic Serology <b>B</b> Practical based on Accident Investigations	2	4
			TOTAL	24	32
Sixth	Core-13	LS/FSC/C-613-L	Forensic Anthropology	4	4
	Core -13 Practical	LS/FSC/C-613-P	Practicals based on Forensic Anthropology	2	4
	Core -14	LS/FSC/C-614-L	Forensic Medicine	4	4
	Core -14 Practical	LS/FSC/C-614-P	Practicals based on Forensic Medicine	2	4
	Discipline Specific Elective (DSE-3A) (DSE-3B)	LS/FSC/DSE-603-(A)-L LS/FSC/DSE-603-(B)-L	<b>A</b> DNA Typing <b>B</b> Modern Forensic Toxicology	4	4
	DSE-3 – Practical	LS/FSC/DSE-603-(A)-P LS/FSC/DSE-603-(B)-P	<b>A</b> Practicals based on DNA Typing <b>B</b> Practical based on Modern Forensic Toxicology	2	4

	Discipline Specific Elective (DSE-4) + DSE-4 – Practical <b>Or</b> Dissertation/Project work followed by seminar	LS/FSC/D/PW/604	Dissertation/Project work	4+2=6 <b>Or</b> 5 +1=6	8
			TOTAL	24	32
			<b>TOTAL CREDITS</b>	<b>152 + 4 (SI)</b>	

## M.SC. FORENSIC SCIENCE

### SEMESTER-I<sub>ST</sub>

Semester	Course	Paper Code	Title of the Paper	Hours/week	Hours/Semester	Credits
<b>Fir st</b>	Core Course I	IFSC701	Forensic science & Criminology	2	36	3
	Core Course II	IFSC702	Forensic techniques & Instrumentation	2	36	3
	Core Course III	IFSC703	Crime Scene Management	2	36	3
	Core Course IV	IFSC704	Questioned Documents	2	36	3
	<i>Soft Skill Course-I</i>	IFSC705	Detection of Adulterants in Edible Oils & Petroleum Products	2	36	3
	Practical V	IFSL706	Practical based on crime scene search study	6	108	3
	Practical VI	IFSL 707	Practical based on questioned document	6	108	3
	<b>Credits</b>					<b>21</b>

## SEMESTER-II<sub>ND</sub>

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
S e m e s t e r  S e c o n d	Core Course I	IFSC801	Instrumental analysis- Chemical & Physical	2	36	3
	Core Course II	IFSC802	Instrumental Analysis – Biological Methods	2	36	3
	Core Course III	IFSC803 IFSC804	<i>Forensic Anthropology and Finger prints</i>	2	36	3
	Core Course IV		<i>Forensic Chemistry Practical based on and Toxicology</i>	2	36	3
	Practical V	IFSL 805	<i>Forensic Anthropology and Finger prints</i>	6	108	3
	Practical VI	IFSL 806	Practical Based on Chemistry and toxicological analysis	6	108	3
		IFSS 807	Seminar based on any relevant topic taught from the above mentioned theory papers	5	90	3
	<b>Credits</b>					<b>21</b>

### SEMESTER-III<sub>RD</sub>

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
Thi rd	Core Course I	IFSC901	Computer Forensics and Digital investigations	2	36	3
	Core Course II	IFSC902	Forensic Ballistics and Physics	2	36	3
	Core Course III	IFSC903	Forensic Biology and	2	36	3
	Core Course IV	IFSC904	Forensic Medicine	2	36	3
	Practical V	IFSS905	Seminar	5	90	2
	Practical VI	IFSL906	Practical Based on Forensic Ballistics and Physics	6	108	3
		IFSL907	Practical Based on Forensic Biology and Serology	6	108	3
	<b>Credits</b>					<b>20</b>

### SEMESTER-IV<sup>TH</sup>

Semester	Course	Paper Code	Title of the Paper	Hours/week	Hours/Semester	Credits
O r t h	Core Course I	IFSC1001	Quality Management & Research Methodology	2	36	3
	<i>Soft Skill Course-II</i>	IFSC1002	Skill Development in Research Methods	2	36	3
	<b>Elective Papers</b> (Total Nine Elective Papers will be in PG Program. Among Nine Elective Papers at least one of the paper should be chosen by the Candidate which will be considered as <b>Elective Paper</b> )	IFSC1003	<b>Elective papers:</b>  Advanced Forensic Chemistry  Advanced Forensic Toxicology & Pharmacology  Drugs of abuse Advanced Forensic Physics Ballistics Questioned Documents and Photography Advanced Forensic Biology Forensic Serology and Immunology Forensic genetics & DNA profiling	2	36	3
	Core Course III	IFSC1003	Practical's based on Elective Paper	6	108	3
	Core Course IV	IFSC1004	Dissertation / Project Work & Seminar Based on Project Dissertation	5	90	16
<b>Credits</b>						<b>28</b>