



गुरु घासीदास विश्वविद्यालय, बिलासपुर
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

(A Central University established by the Central University Act 2009 No. 25 of 2009)



DEPARTMENTAL PROFILE OF FORENSIC SCIENCE

WELCOME TO THE DEPARTMENT OF FORENSIC SCIENCE

The Department of Forensic Science has been established on 12th October in the year 2012. Department has being introduced under the School of Life Sciences, Guru Ghasidas Vishwavidyalaya, (A Central University) Bilaspur, Chhattisgarh C.G. Presently the Department is running a 5-year Integrated UG/PG program with an exit option on completion of third year (VI semester) having B.Sc. (Hons.) Degree followed by two years Post Graduate Degree Program M. Sc. (Forensic Science)



BRIEFS ABOUT THE DEPARTMENT

It is an inter-disciplinary science involves all branches of basic and applied sciences including Physics, Chemistry, Biology, Biotechnology and Engineering apart from a sound knowledge of social behavior and psychology. It has now been considered an applied discipline and therefore needs up gradation through continuous R&D efforts. Different forensic challenges need solutions that can only be resolved through proper training and research based on different kinds of physical evidences.

The proposed professional course will be of significance in terms of training and placement of students to various Forensic laboratories and allied disciplines in the State, Country as well as Global Context.

VISION OF THE DEPARTMENT

The Control of crime lies in making punishment certain rather than more severe, neither brutality nor severity but the certainty that makes punishment of an effective deterrent. In such a situation, only Forensic Science can offer objective, reliable and irrefutable evidence. Today, only a small fraction of crime investigating agencies gets Forensic Science help, the rest are left out of the picture. Our vision for developing the Indian forensic science facilities to meet the impending future challenges. It is hoped that this field of science would then be able to provide an efficient scientific aid to the criminal justice delivery system of the country." Therefore, we should aspire to our students to increase it manifold, by way of appropriate methods of learning in different fields of Forensic Science such as:

- An aid to the Criminal Justice delivery system.
- Development of forensic science in India
- Status of forensic science in India—a situation analysis
- The emerging scenario of Blue-Collar crimes
- The emerging scenario of White-Collar crimes
- Accomplish paradigm shift in attitude
- Implement modern management concepts
- Expand the forensic network
- Lay emphasis on human resource development in forensic science
- Re-engineer through quality processes
- Promote R&D in forensic science
- Change the criminal laws.

FACULTY PROFILE

(For Faculty Details Kindly visit our university website given below)

www.ggu.ac.in

COURSES OFFERED BY THE DEPARTMENT

FIVE YEARS INTEGRATED UG/PG PROGRAM IN FORENSIC

- The five years Integrated UG/PG & PG programs envisages effective teaching in Forensic Science using innovative methods, projects, practical training and fieldwork. 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 of Integrated UG/PG & PG programs. 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.

UG/PG INTEGRATED IN FORENSIC SCIENCE

DEGREE NOMENCLATURE:

➤ UG/PG Integrated in Forensic Science (Total Intake: 30 Seats)

❖ *Duration:* (3 Yrs/6 Semesters +2 Yrs/4 Semesters)

➤ PG in Forensic Science(Total Intake: 20 Seats)

❖ *Duration:* (2 Yrs/4Semesters)

THE SCHEME OF PAPERS TO BE OPTED IN EACH SEMESTER:

B.SC. HONORS IN FORENSIC SCIENCE

SEMESTER-IST

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits	
First Semester	Core Course I	IFSC 101	Elementary Forensic Science	2	36	2	
		IFSC 102	Criminology and Police Science	2	36	2	
	Core Course II		Chemistry I	2	36	2	
			Chemistry II	2	36	2	
	Elective-I (Among two subjects at least one of the subject should be chosen by the candidate which will be considered as Elective Paper)			Botany I	2	36	2
				Botany II	2	36	2
				Zoology I	2	36	2
				Zoology II	2	36	2
	Foundation Course			English	2	36	2
				Hindi	2	36	2
	Practical I	IFSL 103	Practical – Crime scene investigation	4	72	2	
	Practical II		Chemistry	4	72	2	
	Practical III		Botany	4	72	2	
Practical III		Zoology	4	72	2		
	Credits					22	

SEMESTER-IIND

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits	
Second Semester	Core Course I	IFSC 201	Finger Prints, Impressions and Biometrics	2	36	2	
		IFSC 202	Questioned Documents and Hand writing	2	36	2	
	Core Course II		Chemistry I	2	36	2	
			Chemistry II	2	36	2	
	Elective-II (Among two subjects at least one of the subject should be chosen by the candidate which will be considered as Elective Paper)			Botany I	2	36	2
				Botany II	2	36	2
				Zoology I	2	36	2
				Zoology II	2	36	2
	Foundation Course			English	2	36	2
				Hindi	2	36	2
	Practical I	IFSL 203	Practical-Finger Prints & Impressions	4	72	2	
	Practical II		Chemistry	4	72	2	
Practical III		Botany	4	72	2		
Practical III		Zoology	4	72	2		
	Credits					22	

SEMESTER-IIIRD

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits	
Third Semester	Core Course I	IFSC 301	Medical Jurisprudence	2	36	2	
		IFSC 302	Instrumental methods -Chemical	2	36	2	
	Core Course II		Chemistry I	2	36	2	
			Chemistry II	2	36	2	
	Elective-III (Among two subjects at least one of the subject should be chosen by the candidate which will be considered as Elective Paper)			Botany I	2	36	2
				Botany II	2	36	2
				Zoology I	2	36	2
				Zoology II	2	36	2
Soft Skill Enhancement Course-I	Environmental Science		EVS I	2	36	2	
	Practical I	IFSL 303	Practical based on instrumental analysis	4	72	2	
	Practical II		Chemistry	4	72	2	
	Practical III		Botany	4	72	2	
	Practical III		Zoology	4	72	2	
	Credits					20	

SEMESTER-IVTH

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits	
Forth Semester	Core Course I	IFSC 401	Forensic Psychology	2	36	2	
		IFSC 402	Wild Life Forensics & Forensic Entomology	2	36	2	
	Core Course II		Chemistry I	2	36	2	
			Chemistry II	2	36	2	
	Elective-IV (Among two subjects at least one of the subject should be chosen by the candidate which will be considered as Elective Paper)			Botany I	2	36	2
				Botany II	2	36	2
				Zoology I	2	36	2
				Zoology II	2	36	2
Soft Skill Enhancement Course-II	Environmental Science		EVS II	2	36	2	
	Practical I	IFSL 403	Practical based on Wild Life Forensics & Forensic Entomology	4	72	2	
	Practical II		Chemistry	4	72	2	
	Practical III		Botany	4	72	2	
	Practical III		Zoology	4	72	2	
	Credits					20	

SEMESTER-Vth

Semester	Course	Paper Code	Title of the Paper	Hours/week	Hours/Semester	Credits
Fifth Semester	Core Course I	IFSC 501	Instrumental methods-Biological	2	36	3
	Core Course II	IFSC 502	Forensic Chemistry	2	36	3
	Core Course III	IFSC 503	Forensic Toxicology	2	36	3
	Core Course IV	IFSC 504	Forensic Biology and Serology	2	36	3
	Practical V	IFSC 505	Practical based on Forensic Chemistry and Toxicological analysis	4	72	2
	Practical VI	IFSC 506	Practical based on Forensic Biology and Serology	4	72	2
	Seminar VII	IFSC 507	Seminar	5	90	5
Credits						21

SEMESTER-VIth

	Course	Paper Code	Title of the Paper	Hours/week	Hours/Semester	Credits
Sixth Semester	Core Course I	IFSC 601	Forensic Ballistics	2	36	3
	Core Course II	IFSC 602	Digital and cyber forensics	2	36	3
	Core Course IV	IFSC 603	Forensic Physics	2	36	3
	Core Course IV	IFSC 604	Major Elective	2	36	3
	Practical V	IFSC 605	Practical based on Physics, Ballistics and Computer Forensics	4	72	3
	Project	IFSC 606	Mini project + Viva	5	90	6
Credits						21

Note-1: Total Credits from Semester Ist to Semester VIth will be 125 in B.Sc. Honors in Forensic Science.

M.SC. FORENSIC SCIENCE

SEMESTER-IST

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
First Semester	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
	Credits					21

SEMESTER-IIND

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
Second Semester	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	<i>Forensic Anthropology and Finger prints</i>	2	36	3
	Core Course IV	IFSC804	<i>Forensic Chemistry and Toxicology</i>	2	36	3
	Practical V	IFSL 805	<i>Practical based on 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
Credits						21

SEMESTER-IIIRD

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
Third Semester	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 Serology	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
	Credits					20

SEMESTER-IVTH

Semester	Course	Paper Code	Title of the Paper	Hours/ week	Hours/ Semester	Credits
Forth Semester	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
	Elective Papers (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 Elective Paper)	IFSC1003	Elective papers:	2	36	3
			Advanced Forensic Chemistry			
			Advanced Forensic Toxicology & Pharmacology			
Drugs of abuse						
Advanced Forensic Physics						
Advanced Forensic Ballistics						
Questioned Documents and Photography						
Advanced Forensic Biology						
Forensic Serology and Immunology Forensic genetics & DNA profiling						
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	
Credits						28

Note-2: Total Credits from Semester Ist to Semester IVth will be 90 in M.Sc. Forensic Science.

Note-3: In the UG/PG Integrated Forensic Science course the total no. of semesters will be ten (10) and the allotted credit will be 205 i.e. 125 in UG & 85 in PG.

Note-3: In the Old Course of UG/PG Integrated in Forensic Science there is no Choice Based Credit System (CBCS). Therefore, the marks will be allotted to the concern papers of the subjects. Rest is same as CBCS System.

ACADEMIC CALENDAR-2017-18 (kindly Click the link given bellow)

<http://www.ggu.ac.in/repositiry/Academic%20Cal%202017-18%2012.04.17.pdf>



FEE STRUCTURE OF THE UG/PG & PG COURSES

Fees Structure From Academic Session 2017-18 Name of Course					Year wise fee (Rs.)			
I Year		II Year			III Year		IV Year	
I Sem.*	II Sem.	III Sem.	IV Sem		V Sem	VI Sem	VII Sem	
BA	4100	2050	2800	2050	2800	2050	-	
BSW	4100	2050	2800	2050	2800	2050	-	
B.Lib	4100		2050		-		-	
MA	4300	2250	3000	2250	-	-	-	
MSW	4300	2250	3000	2250	-	-	-	
M.Lib.	4300	2250	3000	2250	-	-	-	
B.Sc.	5350	2800	3550	2800	3550	2800	-	
B. Sc. Forestry	5350	2800	3550	2800	3550	2800	3550	
B. Sc. Biotech.	5350	2800	3550	2800	3550	2800	-	
M. Sc. Biotech	13700	11150	11900	11150	-	-	-	
M. Sc. Forestry	6200	3650	4400	3650	-	-	-	
M. Sc. (CS)	12200	9650	10400	9650	-	-	-	
M. Sc.	5800	3250	4000	3250	-	-	-	
B. Com	4100	2050	2800	2050	2800	2050	-	
M. Com	4300	2250	3000	2250	-	-	-	
B. Ed.	7200	4650	5400	4650	-	-	-	
B. Ed. Spl	7200	4650	5400	4650	-	-	-	
M. Ed.	7700	5150	5900	5150	-	-	-	
B. Pharm	16640	14090	14840	14090	14840	14090	14840	
M. Pharm	27200	24650	25400	24650	-	-	-	
D. Pharm	26200	-	24400	-	-	-	-	
B. P. Ed.	7200	4650	5400	4650	-	-	-	
M. P. Ed.	7700	5150	5900	5150	-	-	-	
B. Tech.	15700	13150	13900	13150	13900	13150	13900	
M. Tech.	17700	15150	15900	15150	-	-	-	
MBA	14200	11650	12400	11650	-	-	-	
MCA	14700	12150	12900	12150	12900	12150	-	

Note: For More Detail about Fee Structure kindly click the link given bellow

<http://www.ggu.ac.in/download/VET1718/Revised%20fee%20structure%20from%20Session%202017-18.13.04.17.pdf>

UNIVERSITY ORDINANCE: (kindly click the link given bellow)

<http://www.ggu.ac.in/download/Ordinance/ugcinstructions18.10.13.pdf>

CAMPUS FACILITIES

- ❖ HOSTAL
- ❖ LIBRARY
- ❖ HEALTH CENTRE
- ❖ NODAL COMPUTER CENTRE
- ❖ SC/ST CELL
- ❖ SPORTS
- ❖ CANTEEN
- ❖ NSS
- ❖ BANKING
- ❖ COMPUTER CENTRE
- ❖ GUEST HOUSE



DEPARTMENTAL ACTIVITIES IN THE ACADEMIC SESSION 2016-17



Image-1: Science Fest Espectro 2K17





Images: Science Fest Espectro 2K17 Followed by CRPF, CAMP Visit for the Students



Images: Science Fest Espectro 2K17



Images: One Day Lecture cum Training Programs Organized by the Department in the Field of Forensic Science followed by A Lecture in Cyber Forensic

For More Detail Please Visit Our University Website

www.ggu.ac.in

Or

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