



गुरु घासीदास विश्वविद्यालय, बिलासपुर
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

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



WELCOME TO THE DEPARTMENT OF FORENSIC SCIENCE

Established in 12th October, 2012



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**PROF. ANJILA GUPTA HONORABLE VICE CHANCELLOR
GURU GHASIDAS UNIVERSITY, BILASPUR, C.G.**



Department Administration



Dr. Renu Bhatt
Dean
School of Life Sciences
GGV, Bilaspur



Dr. Bharti Ahirwar, Head
(In-charge),
Department of Forensic
Science, GGV, Bilaspur

Briefs about the Department

- ***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, 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)***

Vision of the Department

- The Department of Forensic Science, Guru Ghasidas Vishwavidyalaya (A Central university) at this transformational time in its history, aspires to join the ranks of the greatest departments of various Universities in India while simultaneously serving our region and our nation.
- To establish as the centre of excellence in the area of forensic science through its teaching and research
- We have the talent, perspective, and confidence to create a better future by becoming a more powerful research university that produces a rich flow of ideas, sparks invention and innovation, and improves the quality of life for all people.
- With unprecedented support from the central and state we will expand educational opportunities, research, and innovation with an emphasis in forensic science disciplines over the next decade.
- We will create and disseminate knowledge and innovative ideas and focus our attention on the importance of the forensic sciences in society and criminal justice system that are an integral part of our society.

- We will leverage the strength and resource of our Department to build the future Forensic Experts, create jobs, startup and help drive Socio-economic development in the state and nation.
- Since Department of Forensic Science was established in 2012, its faculty, students, and staff have worked to shape a path to excellence, and our graduates have made a vast array of fundamentally important contributions to their professions and communities.
- To encourage the faculty to take up more sponsored projects and consultancy and increase internal resource generation.
- We will emerge as a nationally ranked department of a university that will educate talented students of diverse academic background, perspectives, and interests. Our graduates contribute in vastly different ways to our state, the nation, and the world, serving as forensic expert and scientists in educational institutions, laboratories and government firms. When we consider what we hope for our students, we most hope they will emerge as creators of the future, not mere observers.
- The department will be nationally and internationally recognized for research in wide forensic areas, such as ballistics, toxicology, psychology, genomics, questioned document and chemistry.

Vision of the Department

- ◉ **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**

VOD Conti..

- **Implement modern management concepts**
- **Expand the forensic network**
- **Lay emphasis on human resource development in the Field of forensic science**
- **Re-engineer through quality processes**
- **Promote R&D in forensic science**
- **Change the criminal laws.**

Courses offered by the Department

- **UG/PG Integrated** in Forensic Science
(Total Intake: 30 Seats)
- **Duration:** 3 Yrs/6 Semesters (**B.Sc. Honors**)
- 3Yrs+2 Yrs/10 Semesters (**UG/PG Integrated**)

- **PG** in Forensic Science
- (Total Intake: 20 Seats)
- **Duration:** (2 Yrs/4Semesters)

B.Sc. Honors in Forensic Science

Attendance

A 5-years integrated UG / PG programme student must have a minimum attendance of seventy five percent (75%) of the total number of classes including lectures, tutorials and practical held in a semester and a certificate of good conduct from the Dean/Head of the Department in order to be eligible to appear at the End-Semester Examination for that semester; The Dean of School, in exceptional cases, shall condone the shortage of attendance to a maximum of 15% only if the claim is supported by such documents as considered to be fit for granting such condonation.

CBCS: Choice based credit system

Semester	Total Credits	Subjects
B.Sc Ist Semester	22	Forensic Science, Chemistry, Botany, Zoology, English, Hindi EVS
B.Sc IInd Semester	22	
B.Sc IIIrd Semester	20	
B.Sc IVth Semester	20	
B.Sc Vth Semester	21	
B.Sc VIth Semester	21	
	125	

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

The Scheme of Papers to be opted in Each Semester in B.Sc. Honors in Forensic Science

Semester	Course	Paper Code	Title of the Paper	Credits	
First Semester	Core Course I	IFSC 101	Elementary Forensic Science	2	
		IFSC 102	Criminology and Police Science	2	
	Core Course II		Chemistry I	2	
			Chemistry II	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
				Botany II	2
				Zoology I	2
				Zoology II	2
	Foundation Course			English	2
				Hindi	2
	Practical I	IFSL 103	Practical – Crime scene investigation	2	
	Practical II		Chemistry	2	
	Practical III		Botany	2	
Practical III		Zoology	2		
	Total Credits			22	

Semester	Course	Paper Code	Title of the Paper	Credits	
Second Semester	Core Course I	IFSC 201	Finger Prints, Impressions and Biometrics	2	
		IFSC 202	Questioned Documents and Hand writing	2	
	Core Course II		Chemistry I	2	
			Chemistry II	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
				Botany II	2
				Zoology I	2
				Zoology II	2
	Foundation Course			English	2
				Hindi	2
	Practical I	IFSL 203	Practical-Finger Prints & Impressions	2	
	Practical II		Chemistry	2	
	Practical III		Botany	2	
Practical III		Zoology	2		
Total Credits				22	

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Semester	Course	Paper Code	Title of the Paper	Credits	
Third Semester	Core Course I	IFSC 301	Medical Jurisprudence	2	
		IFSC 302	Instrumental methods - Chemical	2	
	Core Course II		Chemistry I	2	
			Chemistry II	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
				Botany II	2
				Zoology I	2
				Zoology II	2
Soft Skill Enhancement Course-I	Environmental Science		EVS I	2	
	Practical I	IFSL 303	Practical based on instrumental analysis	2	
	Practical II		Chemistry	2	
	Practical III		Botany	2	
	Practical III		Zoology	2	
	Total Credits	20			

Conti...

Semester	Course	Paper Code	Title of the Paper	Credits	
Forth Semester	Core Course I	IFSC 401	Forensic Psychology	2	
		IFSC 402	Wild Life Forensics & Forensic Entomology	2	
	Core Course II		Chemistry I	2	
			Chemistry II	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
				Botany II	2
				Zoology I	2
				Zoology II	2
Soft Skill Enhancement Course-II	Environmental Science		EVS II	2	
	Practical I	IFSL 403	Practical based on Wild Life Forensics & Forensic Entomology	2	
	Practical II		Chemistry	2	
	Practical III		Botany	2	
	Practical III		Zoology	2	
	Total Credits				20

Conti....

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

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

Total Credits

21

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

M.Sc. in Forensic Science

CBCS: Choice based credit system

Semester	Total Credits
M.Sc Ist Semester	21
M.Sc IInd Semester	21
M.Sc IIIrd Semester	20
M.Sc IVth Semester	28
	90

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

The Scheme of Papers to be opted in Each Semester in M.Sc. in Forensic Science

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

Conti.

Semester	Course	Paper Code	Title of the Paper	Credits
Second Semester	Core Course I	IFSC801	Instrumental analysis- Chemical & Physical	3
	Core Course II	IFSC802	Instrumental Analysis – Biological Methods	3
	Core Course III	IFSC803	<i>Forensic Anthropology and Finger prints</i>	3
	Core Course IV	IFSC804	<i>Forensic Chemistry and Toxicology</i>	3
	Practical V	IFSL 805	<i>Practical based on Forensic Anthropology and Finger prints</i>	3
	Practical VI	IFSL 806	Practical based on Chemistry and toxicological analysis	3
			IFSS 807	Seminar based on any relevant topic taught from the above mentioned theory papers
	Total Credits			21

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Semester	Course	Paper Code	Title of the Paper	Credits
Third Semester	Core Course I	IFSC901	Computer Forensics and Digital investigations	3
	Core Course II	IFSC902	Forensic Ballistics and Physics	3
	Core Course III	IFSC903	Forensic Biology and Serology	3
	Core Course IV	IFSC904	Forensic Medicine	3
	Practical V	IFSS905	Seminar	2
	Practical VI	IFSL906	Practical Based on Forensic Ballistics and Physics	3
			IFSL907	Practical Based on Forensic Biology and Serology
	Total Credits			20

Semester	Course	Paper Code	Title of the Paper	Credits
	Core Course I	IFSC1001	Quality Management & Research Methodology	3
	<i>Soft Skill Course-II</i>	IFSC1002	Skill Development in Research Methods	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: 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	3
	Core Course III	IFSC1003	Practical's based on Elective Paper	3
	Core Course IV	IFSC1004	Dissertation / Project Work & Seminar Based on Project Dissertation	11
	Total Credits			

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Note-2: Total Credits from Semester Ist to Semester IVth will be 85 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.

Provisional Collaboration of the Department at District /National Level

At District Level:

- Regional Forensic Science Laboratory, Bilaspur, C.G.
- State Forensic Science Laboratory, Raipur, C.G.
- Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur, C.G.
- District Mental Hospital, Sendri, Bilaspur, C.G.
- Achanakmar Tiger Reserve, Bilaspur, C.G.
- Central Reserve Police station (CRPF), Bilaspur, C.G.
- Police Stations of Bilaspur, C.G.
- Jurisdiction of Bilaspur, C.G.

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At National Level:

- **Government Examiner of Questioned Documents (GEQD), Shimla, H.P.**
- **State Forensic Science Laboratory, Bhubaneswar ,Orissa**

CAMPUS FACILITIES

- **HOSTEL**
- **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: Science Fest Espectro 2K17

D A Academic Session 2016-17 Conti.



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

D A Academic Session 2016-17 Conti...



Images: Achanakmar Tiger Reserve Visit for the Students Followed by "Crime Scene Management Demonstration" in Espectro 2K17

D A Academic Session 2016-17 Conti....



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



P M Demonstration at CIMS