



### List of New Course(s) Introduced

Department : **Forensic Science**

Programme Name : **B.Sc. & M.Sc**

Academic Year : **2018-19**

### List of New Course(s) Introduced

| Sr. | Course Code         | Name of the Course   |
|-----|---------------------|--|
| 01. | LS/FSC/C-101L       | Introduction to Forensic Science   |
| 02. | LS/ FSC/C-101P      | Practicals based on Crime Scene  |
| 03. | LS/ FSC/C-102L      | Crime and Society  |
| 04. | LS/ FSC/C-102P      | Practicals based on Crime and Society  |
| 05. | LS/ FSC/GE-101/L    | Elementary Forensic Science  |
| 06. | LS/ FSC/GE-101/P    | Practicals based on Crime Scene Investigation  |
| 07. | LS/ FSC/AECC-101/EC | English Communication / MIL (Hindi Communication)  |
| 08. | LS/FSC/ECA/         | ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others |
| 09. | LS/FSC/C-203-L      | Criminal Law   |
| 10. | LS/FSC/C-203-P      | Practicals based on preparing schedules  |
| 11. | LS/FSC/C-204-L      | Forensic Psychology  |
| 12. | LS/FSC/C-204-P      | Practicals based on Forensic Psychology  |
| 13. | LS/FSC/GE-202-L     | Applied Forensic Science   |
| 14. | LS/FSC/GE-202-P     | Practicals based on Applied Forensic Science   |
| 15. | LS/FSC/AE-201/ES    | Environmental Science  |
| 16. | LS/FSC/ECA/         | ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others |
| 17. | LS/FSC/C-305-L      | Forensic Dermatoglyphics   |
| 18. | LS/FSC/C-305-P      | Practicals based on Finger Prints  |
| 19. | LS/FSC/C-306-L      | Technological Methods in Forensic Science  |
| 20. | LS/FSC/C-306-P      | Practicals based on Technological Methods  |
| 21. | LS/FSC/C-307-L      | Criminalistics   |
| 22. | LS/FSC/C-307-P      | Practicals based on Crime scene samples  |
| 23. | LS/FSC/GE-303-L     | Crime Scene Management   |
| 24. | LS/FSC/GE-303-P     | Practicals based on Crime Scene Management   |
| 25. | LS/FSC/SEC-301-L    | Introduction to Biometry   |



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| 26 | LS/FSC/C-408-L       | Forensic Chemistry                                   |
| 28 | LS/FSC/C-408-P       | Practicals based on Forensic Chemistry               |
| 29 | LS/FSC/C-409-L       | Questioned Documents                                 |
| 30 | LS/FSC/C-409-P       | Practicals based on Questioned Documents             |
| 31 | LS/FSC/C-410-L       | Forensic Biology                                     |
| 32 | LS/FSC/C-410-P       | Practicals based on Forensic Biology                 |
| 33 | LS/FSC/GE-404-L      | Advanced Forensic Science                            |
| 34 | LS/FSC/GE-404-P      | Practicals based on Advanced Forensic Science        |
| 35 | LS/FSC/SEC-402-L     | Handwriting Identification and Recognition           |
| 36 |                      | <b>Swayam Swachhta / NSS / Industrial/ others</b>    |
| 37 | LS/FSC/C-511-L       | Forensic Ballistics                                  |
| 38 | LS/FSC/C-511-P       | Practicals based on Forensic Ballistics              |
| 39 | LS/FSC/C-512-L       | Forensic Toxicology                                  |
| 40 | LS/FSC/C-512-P       | Practicals based on Forensic Toxicological analysis  |
| 41 | LS/FSC/DSE-501(A)-L  | <b>A</b> Digital Forensics                           |
|    | LS/FSC/DSE-501-(B)-L | <b>B</b> Economic Offences                           |
| 42 | LS/FSC/DSE-501(A)-P  | <b>A</b> Practicals based on Digital Forensics       |
|    | LS/FSC/DSE-501-(B)-P | <b>B</b> Practicals based on Economic offences       |
| 43 | LS/FSC/DSE-502-(A)-L | <b>A</b> Forensic Serology                           |
|    | LS/FSC/DSE-502-(B)-L | <b>B</b> Accident Investigations                     |
| 44 | LS/FSC/DSE-502-(A)-P | <b>A</b> Practicalsbased on Forensic Serology        |
|    | LS/FSC/DSE-502-(B)-P | <b>B</b> Practicals based on Accident Investigations |
| 45 | LS/FSC/C-613-L       | Forensic Anthropology                                |
| 46 | LS/FSC/C-613-P       | Practicals based on Forensic Anthropology            |



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| 47 | LS/FSC/C-614-L       | Forensic Medicine                                      |
| 48 | LS/FSC/C-614-P       | Practicals based on Forensic Medicine                  |
| 49 | LS/FSC/DSE-603-(A)-L | <b>A</b> DNA Typing                                    |
|    | LS/FSC/DSE-603-(B)-L | <b>B</b> Modern Forensic Toxicology                    |
| 50 | LS/FSC/DSE-603-(A)-P | <b>A</b> Practical based on DNA Typing                 |
|    | LS/FSC/DSE-603-(B)-P | <b>B</b> Practical based on Modern Forensic Toxicology |
| 51 | LS/FSC/D/PW/604      | Dissertation/Project work                              |
|    | IFSC701              | Forensic science & Criminology                         |
|    | IFSC702              | Forensic techniques & Instrumentation                  |
|    | IFSC703              | Crime Scene Management                                 |
|    | IFSC704              | Questioned Documents                                   |
|    | IFSL705              | Practical based on crime scene search study            |
|    | IFSL 706             | Practical based on questioned document                 |
|    | IFSS 707             | Seminar  |
|    | IFSC801              | Instrumental analysis-Chemical & Physical              |
|    | IFSC802              | Instrumental Analysis – Biological Methods             |
|    | IFSC803              | Forensic Anthropology and Fingerprints                 |
|    |                      | Forensic Chemistry and Toxicology                      |



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|---------------|--|
| IFSC804       |  |
| IFSL 805      | Practical based on Forensic Anthropology and Finger prints |
| IFSL 806      | Practical based on Chemistry and toxicological analysis    |
| IFSS 807      | Seminar  |
| IFSC901       | Computer Forensics and Digital investigations              |
| IFSC902       | Forensic Ballistics and Physics                            |
| IFSC903       | Forensic Biology and Serology                              |
| IFSC904       | Forensic Medicine  |
| IFSL905       | Practical Based on Forensic Ballistics and Physics         |
| IFSL906       | Practical Based on Forensic Biology and Serology           |
| IFSC907       | Seminar  |
| IFSC 1001     | Quality Management & Research Methodology                  |
| IFSC 1002     | Elective Papers  |
| IFSC 1002 (A) | Advanced Forensic Chemistry                                |
| IFSC 1002 (B) | Advanced Forensic Toxicology and Pharmacology              |
| IFSC 1002 (C) | Drugs of Abuse   |
| IFSC 1002 (D) | Advanced Forensic Physics                                  |
| IFSC 1002 (E) | Advanced Forensic Ballistics                               |
| IFSC 1002 (F) | Questioned Documents                                       |
| IFSC 1002 (G) | Forensic Photography                                       |
| IFSC 1002 (H) | Biometrics (Through portrait Parle                         |



|  |                  |  |
|--|------------------|--|
|  |                  | Technique)   |
|  | IFSC 1002 (I)    | Advanced Forensic Biology  |
|  | IFSC 1002 (J)    | Advanced Forensic Serology & Immunology                          |
|  | IFSC 1002 (K)    | Advanced Forensic Genetics & DNA Profiling                       |
|  | <b>IFSL 1003</b> | <b>Elective Practical's</b>                                      |
|  | IFSL 1003 (A)    | Practical based on Advanced Forensic Chemistry                   |
|  | IFSL 1003 (B)    | Practical based on Advanced Forensic Toxicology and Pharmacology |
|  | IFSL 1003 (C)    | Practical based on Drugs of Abuse                                |
|  | IFSL 1003 (D)    | Practical based on Advanced Forensic Physics                     |
|  | IFSL 1003 (E)    | Practical based on Advanced Forensic Ballistics                  |
|  | IFSL 1003 (F)    | Practical based on Questioned Documents                          |
|  | IFSL 1003 (G)    | Practical based on Forensic Photography                          |
|  | IFSL 1003 (H)    | Practical based on Biometrics (Through portrait Parle Technique) |
|  | IFSL 1003 (I)    | Practical based on Advanced Forensic Biology                     |
|  | IFSL 1003 (J)    | Practical based on Advanced Forensic Serology & Immunology       |
|  | IFSL 1003 (K)    | Practical based on Advanced Forensic Genetics & DNA Profiling    |
|  | IFSD 1004        | Dissertation   |

  
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कोनी, बिलासपुर (छ.ग.)  
BILASPUR (C.G.)



## Minutes of Meetings (MoM) of Board of Studies (BoS)

**Academic Year : 2018-19**

**School : School of Studies of Interdisciplinary Education & Research**

**Department : Forensic Science**

**Date and Time : 28 June 2018 1:00 PM**

**Venue : Department of Forensic Science**

The scheduled meeting of member of Board of Studies (BoS) of Department of Forensic Science, School of Studies of Interdisciplinary Education & Research, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the syllabus of 3 year UG Program as per CBCS scheme and syllabi.

The following members were present in the meeting:

1. Prof. Mitashree Mitra (External Expert Member BoS, Dept. of Forensic Science , Pt. Ravi Shankar Shula University Raipur)
2. Dr. Renu Bhatt (Member BoS, Dept. of Forensic Science.)
3. Dr. Bharti Ahirwar (HOD, Dept. of Forensic Science .-cum Chairman, BOS)


Following points were discussed during the meeting

- ❖ The syllabus of three-year UG program in Forensic Science (B.Sc. Hons.) was discussed in detail. The scheme and syllabus were approved as per guidelines of UGC (<http://www.ugc.ac.in/pdfnews8218435-B.Sc-Hons.-Forensic Science.pdf>)
- ❖ The CBCS scheme of Forensic Science was approved as per the decision of the meeting of all Heads & Course Coordinators of CBCS program chaired by Dean, School of Studies of Life Science held on June 19, 2018. Board of Studies approved the syllabus of CBCS.
- ❖ It was suggested by the expert that the learning outcome also be mentioned in the syllabus of next meeting.

The committee discussed and approved the scheme and syllabi of UG and PG course as per CBCS.

The following new courses were introduced in the Three year UG course in Forensic Science

- ❖ LS/FSC/C-101L Introduction to Forensic Science
- ❖ LS/ FSC/C-101P Practicals based on Crime Scene
- ❖ LS/ FSC/C-102L Crime and Society

  
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Guru Ghasidas Vishwavidyalaya  
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- ❖ LS/ FSC/C-102P Practicals based on Crime and Society
- ❖ LS/ FSC/GE-101/L Elementary Forensic Science
- ❖ LS/ FSC/GE-101/P Practicals based on Crime Scene Investigation
- ❖ LS/ FSC/AECC-101/EC English Communication / MIL (Hindi Communication)
- ❖ LS/FSC/ECA/ ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others
- ❖ LS/FSC/C-203-L Criminal Law
- ❖ LS/FSC/C-203-P Practicals based on preparing schedules
- ❖ LS/FSC/C-204-L Forensic Psychology
- ❖ LS/FSC/C-204-P Practicals based on Forensic Psychology
- ❖ LS/FSC/GE-202-L Applied Forensic Science
- ❖ LS/FSC/GE-202-P Practicals based on Applied Forensic Science
- ❖ LS/FSC/AE-201/ES Environmental Science
- ❖ LS/FSC/ECA/ ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/ vocational Training/ Sports/ others
- ❖ LS/FSC/C-305-L Forensic Dermatoglyphics
- ❖ LS/FSC/C-305-P Practicals based on Finger Prints
- ❖ LS/FSC/C-306-L Technological Methods in Forensic Science
- ❖ LS/FSC/C-306-P Practicals based on Technological Methods
- ❖ LS/FSC/C-307-L Criminalistics
- ❖ LS/FSC/C-307-P Practicals based on Crime scene samples
- ❖ LS/FSC/GE-303-L Crime Scene Management
- ❖ LS/FSC/GE-303-P Practicals based on Crime Scene Management
- ❖ LS/FSC/SEC-301-L Introduction to Biometry
- ❖ LS/FSC/C-408-L Forensic Chemistry
- ❖ LS/FSC/C-408-P Practicals based on Forensic Chemistry
- ❖ LS/FSC/C-409-L Questioned Documents
- ❖ LS/FSC/C-409-P Practicals based on Questioned Documents
- ❖ LS/FSC/C-410-L Forensic Biology
- ❖ LS/FSC/C-410-P Practicals based on Forensic Biology

*New Course Introduced*

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BILASPUR (C.G.)

**Criteria - I (1.2.1)**



- ❖ LS/FSC/GE-404-L Advanced Forensic Science
- ❖ LS/FSC/GE-404-P Practicals based on Advanced Forensic Science
- ❖ LS/FSC/SEC-402-L Handwriting Identification and Recognition
- ❖ **Swayam Swachhta / NSS / Industrial/ others**
- ❖ LS/FSC/C-511-L Forensic Ballistics
- ❖ LS/FSC/C-511-P Practicals based on Forensic Ballistics
- ❖ LS/FSC/C-512-L Forensic Toxicology
- ❖ LS/FSC/C-512-P Practicals based on Forensic Toxicological analysis
- ❖ LS/FSC/DSE-501(A)-L **A** Digital Forensics
- ❖ LS/FSC/DSE-501-(B)-L **B** Economic Offences
- ❖ LS/FSC/DSE-501(A)-P **A** Practicals based on Digital Forensics
- ❖ LS/FSC/DSE-501-(B)-P **B** Practicals based on Economic offences
- ❖ LS/FSC/DSE-502-(A)-L **A** Forensic Serology
- ❖ LS/FSC/DSE-502-(B)-L **B** Accident Investigations
- ❖ LS/FSC/DSE-502-(A)-P **A** Practicals based on Forensic Serology
- ❖ LS/FSC/DSE-502-(B)-P **B** Practicals based on Accident Investigations
- ❖ LS/FSC/C-613-L Forensic Anthropology
- ❖ LS/FSC/C-613-P Practicals based on Forensic Anthropology
- ❖ LS/FSC/C-614-L Forensic Medicine
- ❖ LS/FSC/C-614-P Practicals based on Forensic Medicine
- ❖ LS/FSC/DSE-603-(A)-L **A** DNA Typing
- ❖ LS/FSC/DSE-603-(B)-L **B** Modern Forensic Toxicology
- ❖ LS/FSC/DSE-603-(A)-P **A** Practicals based on DNA Typing
- ❖ LS/FSC/DSE-603-(B)-P **B** Practicals based on Modern Forensic Toxicology
- ❖ LS/FSC/D/PW/604 Dissertation/Project work

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IFSC701 Forensic science & Criminology  
IFSC702 Forensic techniques & Instrumentation

IFSC703 Crime Scene Management

IFSC704 Questioned Documents

IFSL705 Practical based on crime scene search study

IFSL 706 Practical based on questioned document

IFSS 707 Seminar

IFSC801 Instrumental Analysis-Chemical & Physical

IFSC802 Instrumental Analysis – Biological Methods

IFSC803 Forensic Anthropology and Fingerprints

IFSL 805 Practical based on Forensic Anthropology and Finger prints

IFSL 806 Practical based on Chemistry and toxicological analysis

IFSS 807 Seminar

IFSC901 Computer Forensics and Digital investigations

IFSC902 Forensic Ballistics and Physics IFSC903 Forensic Biology and Serology

IFSC904 Forensic Medicine

IFSL905 Practical Based on Forensic Ballistics and Physics

IFSL906 Practical Based on Forensic Biology and Serology

IFSC907 Seminar

IFSC 1001 Quality Management & Research Methodology

IFSC 1002 Elective Papers

IFSC 1002 (A) Advanced Forensic Chemistry

IFSC 1002 (B) Advanced Forensic Toxicology and Pharmacology

IFSC 1002 (C) Drugs of Abuse IFSC 1002 (D) Advanced Forensic Physics

IFSC 1002 (E) Advanced Forensic Ballistics

IFSC 1002 (F) Questioned Documents

IFSC 1002 (G) Forensic Photography

IFSC 1002 (H) Biometrics (Through portrait Parle Technique)

IFSC 1002 (I) Advanced Forensic Biology

IFSC 1002 (J) Advanced Forensic Serology & Immunology

IFSC 1002 (K) Advanced Forensic Genetics & DNA Profiling

**IFSL 1003 Elective Practical's**

IFSL 1003 (A) Practical based on Advanced Forensic Chemistry

IFSL 1003 (B) Practical based on Advanced Forensic Toxicology and Pharmacology

IFSL 1003 (C) Practical based on Drugs of Abuse

IFSL 1003 (D) Practical based on Advanced Forensic Physics

IFSL 1003 (E) Practical based on Advanced Forensic Ballistics

IFSL 1003 (F) Practical based on Questioned Documents

IFSL 1003 (G) Practical based on Forensic Photography

IFSL 1003 (H) Practical based on Biometrics (Through portrait Parle Technique)

IFSL 1003 (I) Practical based on Advanced Forensic Biology

IFSL 1003 (J) Practical based on Advanced Forensic Serology & Immunology

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**गुरु घासीदास विश्वविद्यालय**  
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)  
**कोनी, बिलासपुर - 495009 (छ.ग.)**



**Guru Ghasidas Vishwavidyalaya**  
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)  
**Koni, Bilaspur - 495009 (C.G.)**

IFSL 1003 (K) Practical based on Advanced Forensic Genetics & DNA Profiling  
IFSD 1004 Dissertation

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BILASPUR (C.G.)

Signature & Seal of HoD



## Scheme and Syllabus

### B.Sc. Hon's Forensic Science

| Semester     | Course Opted                                 | Course Code         | Name of the course   | Credit    | Hour / week |
|--------------|--|---------------------|--|-----------|-------------|
| I            | 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- 1)                 | 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>   |
| II           | 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 activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta/                                     | 2         | (2)         |



|     |                                    |                  |  |           |            |
|-----|------------------------------------|------------------|--|-----------|------------|
|     |                                    |                  | vocational Training/<br>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> |
| III | 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>  |
| IV  | 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> |
| V   | 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<br>LS/FSC/DSE-501-(B)-L  | <b>A</b> Digital Forensics<br><b>B</b> Economic Offences  | 4                            | 4  |
|    | DSE-1 - Practical   | LS/FSC/DSE-501(A)-P<br>LS/FSC/DSE-501-(B)-P  | <b>A</b> Practicals based on Digital Forensics<br><b>B</b> Practical based on Economic offences       | 2                            | 4  |
|    | Discipline Specific Elective (DSE-2A) (DSE-2B)  | LS/FSC/DSE-502-(A)-L<br>LS/FSC/DSE-502-(B)-L | <b>A</b> Forensic Serology<br><b>B</b> Accident Investigations  | 4                            | 4  |
|    | DSE-2 - Practical   | LS/FSC/DSE-502-(A)-P<br>LS/FSC/DSE-502-(B)-P | <b>A</b> Practicals based on Forensic Serology<br><b>B</b> Practical based on Accident Investigations | 2                            | 4  |
|    |   |  | <b>TOTAL</b>  | 24                           | 32 |
| VI | 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<br>LS/FSC/DSE-603-(B)-L | <b>A</b> DNA Typing<br><b>B</b> Modern Forensic Toxicology  | 4                            | 4  |
|    | DSE-3 - Practical   | LS/FSC/DSE-603-(A)-P<br>LS/FSC/DSE-603-(B)-P | <b>A</b> Practicals based on DNA Typing<br><b>B</b> Practical based on Modern Forensic Toxicology     | 2                            | 4  |
|    | Discipline Specific Elective (DSE-4) + DSE-4 – Practical<br><b>Or</b><br>Dissertation/ Project work followed by | LS/FSC/D/PW/604                              | Dissertation/Project work   | 4+2=6<br><b>Or</b><br>5 +1=6 | 8  |



|  |         |  |               |              |    |
|--|---------|--|---------------|--------------|----|
|  | seminar |  |               |              |    |
|  |         |  |               |              |    |
|  |         |  | TOTAL         | 24           | 32 |
|  |         |  | TOTAL CREDITS | 152 + 4 (SI) |    |

The BoS (Board of Studies) has approved the CBCS scheme of Forensic Science as per the decision of the meeting of all Heads and Course Co-ordinator of CBCS programme held in Dean's Office School of Life Sciences on 19/06/2018 BoS approved the CBCS syllabus. The syllabus of 3 years UG programme in Forensic Science was approved. The course content of 3 years UG programme in Forensic science is as per the guidelines of UGC syllabus ([https://www.ugc.ac.in/pdfnews/8218435\\_B.Sc-Hons-Forensic-Science.pdf](https://www.ugc.ac.in/pdfnews/8218435_B.Sc-Hons-Forensic-Science.pdf)).

**Note:** As per UGC CBCS guidelines, University / departments have liberty to offer GE and SEC courses offered by any department to students of other departments. The No. of GE course is four. One GE course is compulsory in first 4 semesters each. In present scheme it is proposed to have minimum two GE courses (from one subject) in first two semester after which student shall change two GE for another subject in III<sup>rd</sup> and IV<sup>th</sup> semester, so that all the student can have exposure of one additional subject.



| <b>Semester – VII</b>   |            |       |  |            |           |
|-------------------------|------------|-------|--|------------|-----------|
| Semester                | Paper Code | Paper | Title of the Paper   | Hours/Week | Credits   |
| <b>Seventh Semester</b> | IFSC701    | I     | Forensic science & Criminology                             | 4          | 3         |
|                         | IFSC702    | II    | Forensic techniques & Instrumentation                      | 4          | 3         |
|                         | IFSC703    | III   | Crime Scene Management                                     | 4          | 3         |
|                         | IFSC704    | IV    | Questioned Documents                                       | 4          | 3         |
|                         | IFSL705    | V     | Practical based on crime scene search study                | 6          | 3         |
|                         | IFSL 706   | VI    | Practical based on questioned document                     | 6          | 3         |
|                         | IFSS 707   | VII   | Seminar  | 2          | 2         |
| <b>Credits</b>          |            |       |  |            | <b>20</b> |
| <b>Semester – VIII</b>  |            |       |  |            |           |
| <b>Eighth Semester</b>  | IFSC801    | I     | Instrumental analysis-Chemical & Physical                  | 4          | 3         |
|                         | IFSC802    | II    | Instrumental Analysis – Biological Methods                 | 4          | 3         |
|                         | IFSC803    | III   | Forensic Anthropology and Finger prints                    | 4          | 3         |
|                         | IFSC804    | IV    | Forensic Chemistry and Toxicology                          | 4          | 3         |
|                         | IFSL 805   | V     | Practical based on Forensic Anthropology and Finger prints | 6          | 3         |
|                         | IFSL 806   | VI    | Practical based on Chemistry and toxicological analysis    | 6          | 3         |
|                         | IFSS 807   | VII   | Seminar  | 2          | 2         |
| <b>Credits</b>          |            |       |  |            | <b>20</b> |
| <b>Semester IX</b>      |            |       |  |            |           |
| <b>Ninth Semester</b>   | IFSC901    | I     | Computer Forensics and Digital investigations              | 4          | 3         |
|                         | IFSC902    | II    | Forensic Ballistics and Physics                            | 4          | 3         |
|                         | IFSC903    | III   | Forensic Biology and Serology                              | 4          | 3         |
|                         | IFSC904    | IV    | Forensic Medicine  | 4          | 3         |
|                         | IFSL905    | V     | Practical Based on Forensic Ballistics and Physics         | 6          | 3         |
|                         | IFSL906    | VI    | Practical Based on Forensic Biology and Serology           | 6          | 3         |
|                         | IFSC907    | VII   | Seminar  | 2          | 2         |
| <b>Credits</b>          |            |       |  |            | <b>20</b> |



*Department of Forensic Science, GGU, Bilaspur*

|  |                  |     |  |          |           |
|--|------------------|-----|--|----------|-----------|
|  | IFSC 1001        | I   | Quality Management & Research Methodology                        | 4        | 3         |
|  | IFSC 1002        |     | Elective Papers  | 4        | 3         |
|  | IFSC 1002 (A)    | II  | Advanced Forensic Chemistry                                      |          |           |
|  | IFSC 1002 (B)    |     | Advanced Forensic Toxicology and Pharmacology                    |          |           |
|  | IFSC 1002 (C)    |     | Drugs of Abuse   |          |           |
|  | IFSC 1002 (D)    |     | Advanced Forensic Physics  |          |           |
|  | IFSC 1002 (E)    |     | Advanced Forensic Ballistics                                     |          |           |
|  | IFSC 1002 (F)    |     | Questioned Documents   |          |           |
|  | IFSC 1002 (G)    |     | Forensic Photography   |          |           |
|  | IFSC 1002 (H)    |     | Biometrics (Through portrait Parle Technique)                    |          |           |
|  | IFSC 1002 (I)    |     | Advanced Forensic Biology  |          |           |
|  | IFSC 1002 (J)    |     | Advanced Forensic Serology & Immunology                          |          |           |
|  | IFSC 1002 (K)    |     | Advanced Forensic Genetics & DNA Profiling                       |          |           |
|  | <b>IFSL 1003</b> |     | <b>Elective Practical's</b>                                      | <b>6</b> | <b>4</b>  |
|  | IFSL 1003 (A)    | III | Practical based on Advanced Forensic Chemistry                   |          |           |
|  | IFSL 1003 (B)    |     | Practical based on Advanced Forensic Toxicology and Pharmacology |          |           |
|  | IFSL 1003 (C)    |     | Practical based on Drugs of Abuse                                |          |           |
|  | IFSL 1003 (D)    |     | Practical based on Advanced Forensic Physics                     |          |           |
|  | IFSL 1003 (E)    |     | Practical based on Advanced Forensic Ballistics                  |          |           |
|  | IFSL 1003 (F)    |     | Practical based on Questioned Documents                          |          |           |
|  | IFSL 1003 (G)    |     | Practical based on Forensic Photography                          |          |           |
|  | IFSL 1003 (H)    |     | Practical based on Biometrics (Through portrait Parle Technique) |          |           |
|  | IFSL 1003 (I)    |     | Practical based on Advanced Forensic Biology                     |          |           |
|  | IFSL 1003 (J)    |     | Practical based on Advanced Forensic Serology & Immunology       |          |           |
|  | IFSL 1003 (K)    |     | Practical based on Advanced Forensic Genetics & DNA Profiling    |          |           |
|  | IFSD 1004        |     | Dissertation   |          | 10        |
|  |                  |     | Credits  |          | 20        |
|  |                  |     | <b>Total Credits</b>   |          | <b>80</b> |