



VishwavidyalayaKaryasoudha
Crawford Hall, Mysuru- 570 005

No.AC2(S)/151/2020-21

Dated: 01.09.2023

Notification

Sub:- Syllabus and Scheme of Examinations of Criminology and Forensic Science (CB) (V & VI Semester) with effect from the Academic year 2023-24.

Ref:- 1.This office letter No: AC6/303/2022-23 dated: 28-07-2023.
2. Decision of BOS in of Criminology and Forensic Science (CB) meeting held on 18-08-2023.

The Board of Studies in Criminology and Forensic Science (CB) which met on 18-08-2023 has resolved to recommended and approved the syllabus and scheme of Examinations of Criminology and Forensic Science programme (V & VI Semester) with effect from the Academic year 2023-24.

Pending approval of the Faculty of Science & Technology and Academic Council meetings the above said syllabus and scheme of examinations are hereby notified.

The syllabus and scheme of Examinations contents may be downloaded from the University website i.e., www.uni-mysore.ac.in.


Registrar
University of Mysore
Mysore

To:-

1. All the Principal of affiliated Colleges of University of Mysore, Mysore.
2. The Registrar (Evaluation), University of Mysore, Mysuru.
3. The Chairman, BOS/DOS, in Criminology and Forensic Science (CB), Manasagangothri, Mysore.
4. The Director, Distance Education Programme, Moulya Bhavan, Manasagangothri, Mysuru.
5. The Director, PMEB, Manasagangothri, Mysore.
6. Director, College Development Council , Manasagangothri, Mysore.
7. The Deputy Registrar/Assistant Registrar/Superintendent, Administrative Branch and Examination Branch, University of Mysore, Mysuru.
8. The PA to Vice-Chancellor/ Registrar/ Registrar (Evaluation), University of Mysore, Mysuru.
9. Office Copy.

University of Mysore

BA / BSc.

Criminology & Forensic Science

Syllabus for

V and VI Semester (UG)

University of Mysore Criminology & Forensic Science Syllabus for V and VI Semester (UG)

Listing of Courses from I to VIII Semesters for Undergraduate Program in Criminology & Forensic Science

Sem. No.	Course Category	Course Code	Course Title	Credits Assigned	Instructional hours per week		Duration of Exam (Hrs.)	Exam/ Evaluation Pattern (Marks)		
					Theory	Practical		IA	Exam	Total
V	DSC	CFS C9-T	Medical Jurisprudence and Toxicology	4	4		2	40	60	100
		CFS C10-P	Medico-legal Examination	2		4	3	25	25	50
		CFS C13-T	Juvenile Justice	4	4		2	40	60	100
		CFS C14-P	Fieldwork/ Project/ Dissertation/ Internship	2		4	3	25	25	50
VI	DSC	CFS C15-T	Forensic Dactyloscopy and DNA Fingerprinting	4	4		2	40	60	100
		CFS C16-P	Examination of Fingerprints & Footprints	2		4	3	25	25	50
		CFS C17-T	Corporate Crimes	4	4		2	40	60	100
		CFS C18-P	Examination of Frauds and Corporate Crimes	2		4	3	25	25	50

Program Name	BA/B.Sc. in Criminology and Forensic Science	Semester	V
Course Title	Medical Jurisprudence and Toxicology (4)(Theory)		
Course Code:	CFSC9T	No.of Credits	4
Contact hours	4 Hrs/Week	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):	
<p>Course Outcomes(COs): After the successful completion of the course, the student will be able to:</p> <p>CO1.To understand the basics of Medical Jurisprudence and Toxicology</p> <p>CO2. Demonstrate the medico-legal importance of Death.</p> <p>CO3. To familiarize with the poisons and their effects on human body.</p> <p>CO4. To Familiarize with autopsy and its importance.</p>	
Contents	60 Hrs
Unit- I Medical Jurisprudence and Toxicology	15 hours
<p>Chapter- I Introduction To Jurisprudence</p> <ul style="list-style-type: none"> • Meaning and definition • Legal And Ethical Aspects Of Practice Of Medicine • The Indian Medical Council and State Medical Council: Formation, Functions • Rights, Privileges and Duties of Registered Medical Practitioners. • Infamous conduct, Professional secrecy and privileged communications, Medical Ethics and prohibition of Torture & care of Torture Victims • Consent – Its relevance in Medical Practice & medical record maintenance. <p>Chapter – II Medical Jurisprudence</p> <ul style="list-style-type: none"> • Medical Negligence and contributory negligence, Precautionary measures and defenses for Medical Practitioners against legal actions, Medical/Doctors indemnity insurance, Consumer Protection Act relevant to medical practice. • Euthanasia – Current views and dilemmas, Different codes of Medical Ethics and Ethics in Research. • Common medico-legal problems in Hospital practice, Medico-legal, ethical & social problems in relation to AIDS. 	
Unit- II Introduction to forensic medicine	15 Hrs
<p>Chapter- 3 Meaning of forensic medicine,</p> <ul style="list-style-type: none"> • Definition, Scope Relevant forensic medicine • History of Forensic Medicine • Need, Scope, Importance and probative value of medical evidence in Crime Investigation 	

<p>Chapter- 4 Medico-Legal considerations of Injuries & Death</p> <ul style="list-style-type: none"> • Meaning & classification and Mechanism of production of Wounds and injuries, Medico-legal aspects • Thanatology, death, its causes, stages of death, signs of death and changes following death • Asphyxia and accidents • Death due to heat, cold, electrocution & Thermal 	
<p>Unit-III Forensic Toxicology</p>	<p align="center">15 Hrs</p>
<p>Chapter – 5 Introduction to Toxicology</p> <ul style="list-style-type: none"> • Introduction to Toxicology • Classification of Poisons • General consideration and Laws in relation to poisons / Narcotic drugs and Psychotropic substances Act, • Basics of Environmental and Industrial Toxicology in relation to Health & Ecology <p>Chapter- 6 Corrosive & Irritant Poisons:</p> <ul style="list-style-type: none"> • Inorganic Corrosives- Sulphuric, Nitric & Hydrochloric Acid • Organic Corrosives- Phenol, Oxalic Acid • Inorganic Non-Metallic Irritants- Phosphorus, Halogens, • Inorganic Metallic Irritants - Arsenic, Lead, Mercury, Copper • Organic Vegetable Irritants - Abrus, Castor, Croton, Calotropis, Semicarpus, Ergot. • Organic Animal Irritants – Snake Bite, Scorpion & other common insect bites diagnosis and Management; Medico legal Aspects 	
<p>Unit-IV Major Poisons</p>	<p align="center">15 Hrs</p>
<p>Chapter -7 Neurotoxic</p> <ul style="list-style-type: none"> • Inebriates- Ethyl Alcohol, Methyl Alcohol • Somniferous and Sedative Hypnotics – Opium and Derivatives, Barbiturates Deliriant-Dhatura, Cannabis, Cocaine. • Insecticides/ Pesticides/ Agrochemical- Organo-phosphorus Compounds. Organo-chlorides, Carbamates Pyrethroids, Aluminium phosphide. • Spinal Poisons- Strychnine • Peripheral Poisons- Curare <p>Chapter -8 Asphyxiants and Other Poisons</p> <ul style="list-style-type: none"> • ASPHYXIANTS (GASES)- Carbon monoxide, Carbon Dioxide, Cyanogens and Cyanides • CARDIAC POISONS- Oleanders, Aconite, Tobacco • DOMESTIC/ HOUSEHOLD POISONS: Kerosene, Detergents, Disinfectants, Cosmetics, Rodenticide mothballs etc. . • THERAPEUTIC DRUG TOXICITY/ POISONING BY MEDICINES- Salicylates, Paracetamol, Newer derivatives of sedatives • FOOD POISONING- Bacterial, Viral. 	

References-Suggested Readings	
1	Andrew R.W.Jackson, Julie M Jackson, 2011, “ Forensic Science”, Pearson Education Limited.
2	B.S.Nabar , 2001, forensic science in Crime Investigation”, Asia law House.
3	J C Upshaw Downs, Anjali Ranadive, Swienton , 2002, “Ethics in Forensic Science, AcademicPress Publications.
4	Jay A Siegel, KatheyMirakovits, 2013, “ Forensic Science: The Basics”, CRC press.
5	Jim Fraser, Robin Williams, 2013, ”Hand book of Forensic Science”, Routlidge publications.
6	Max.M.Houck, Jay A Siegal,2010, “Fundamentals of Forensic Science” Academic Press.
7	Andrew R.W.Jackson, Julie M Jackson, 2011, “ Forensic Science”, Pearson Education Limited.
8	B.S.Nabar , 2001, forensic science in Crime Investigation”, Asia law House.
9	J C Upshaw Downs, Anjali Ranadive, Swienton, 2002, “Ethics in Forensic Science, AcademicPress Publications.
10.	Jay A Siegel, KatheyMirakovits, 2013, “ Forensic Science: The Basics”, CRC press.

E-Resources:

- <https://study.com/academy/lesson/physical-evidence-definition-types-law.html>
- <https://www.forensicpage.com/>
- <https://www.legalserviceindia.co m/legal/article-8572-types-and-significance-of-physical-evidence.html>
- <http://www.forensic-evidence.com/>
- <http://www.ncjrs.gov/App/AbstractDB/AbstractDBSearch.aspx>

University of Mysore Criminology & Forensic Science Syllabus for V and VI Semester (UG)
Course Articulation Matrix: Mapping of Course Outcomes (COs) with Program Outcomes(POs1-15)

Course Outcomes (COs) / Program Outcomes(POs)	CO1	CO2	CO3	CO4
1. Disciplinary knowledge and skills	X	X	X	X
2. Skilled communicator	X	X	X	X
3. Critical thinker and problem solver	X	X	X	X
4. Team player/worker	X	X	X	X
5. Skilled project manager	X	X	X	X
6. Digitally literate		X		X
7. Analytical reasoning	X	X	X	X
8. Research-related skills	X	X	X	X
9. Multicultural competence	X	X	X	X
10. Moral, Ethical & Legal reasoning	X	X	X	X
11. Develop scientific temper and self-motivating learnings	X	X	X	X
12. Lifelong learner		X	X	X

Course Articulation Matrix relates course outcomes of course with the corresponding program outcomes whose attainment is attempted in this course. Mark 'X' in the intersection cell if a course outcome addresses a particular program outcome.

Pedagogy: Lecture, Assignments, Interactive Sessions, ICT, Group Discussion

Formative Assessment 40 (Weightage in Marks includes: Written Tests, Activities/Assignment/Seminar/Presentation & Attendance)			
Assessment Occasion/type	C1	C2	Total Marks
Written Test (2)	10	10	20
Seminar/Presentation/Activity	10	---	10
Case work/Assignment/Field work/Project work etc	---	10	10
Total	20	20	40

Course Title	Medico-legal Examination (Practical)	Practical Credits	2
Course Code	CFSC10P	Contact Hours	60 Hrs
Formative Assessment	25 Marks	Summative Assessment	25 Marks
Practical Content			
Unit-1 Introduction to Medico-legal Examination (30 Hrs)			
<ol style="list-style-type: none"> 1. Medico-legal Aspects of Homicidal, Suicidal and Accidental. 2. Examination of human skeleton. 3. Identification of Sex and Age through Bone remains. 4. Examination of different wounds and Injuries. 			
Unit-II Examination of Hair and Fiber (30 Hrs)			
<ol style="list-style-type: none"> 5. Examination of hair 6. Morphology of hair 7. Examination and Comparison of Natural and Synthetic fibers 			

Pedagogy: Conduct experiments, applying forensic techniques

Formative Assessment for Practical	
Assessment Occasion/type	Marks
Record	05
Plan, Procedure & Conduction	05
Results & Discussion	05
Applying Forensic Techniques	05
Viva	05
Total	25 Marks
<i>Formative Assessment are compulsory</i>	

References	
1	Andrew R.W.Jackson, Julie M Jackson, 2011, “Forensic Science”, Pearson Education Limited.
2	B.S.Nabar , 2001, forensic science in Crime Investigation”, Asia law House.
3	J C Upshaw Downs, Anjali Ranadive, Swienton , 2002, “Ethics in Forensic Science, Academic Press Publications.

Program Name	BA/B.Sc. in Criminology and Forensic Science	Semester	V
Course Title	Juvenile Justice (Theory)		
Course Code:	CFSC13T	No. of Credits	04
Contact hours	4 Hrs/Week	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):	
Course Outcomes(COs): After the successful completion of the course, the student will be able to: CO1: Understand the concept of juvenile deviance and its brief history. CO2: Explain the current situation of JD in India in comparison to developed countries.CO3: Understand the various theories of deviancy. CO4: Develop the knowledge regarding the relevant laws, institutions dealing with juveniledéviants.	
Contents	60 Hrs
Unit- I Introduction to Juvenile Justice	15 Hrs
Chapter- 1 Meaning and Definition <ul style="list-style-type: none"> • Juvenile Justice. • Deviance. • International perspectives on juveniles (in developing countries). Chapter 2 Rights of the Child. <ul style="list-style-type: none"> • Basic rights – Child rights as human rights – United Nations Convention on the Rights of the Child (UNCRC) • Legal protection for children – Fundamental rights as defined by the Constitution of India. • National Commission for protection of child rights – State Commission for the protection of child rights. 	
Unit- II Theories of Juvenile Deviancy.	15 Hrs
Chapter – 3 General Factors <ul style="list-style-type: none"> • Economic Factors • Social Factors • Psychological Factors • Genetic factors 	

<p>Chapter- 4 Specific Factors.</p> <ul style="list-style-type: none"> • Street gangs and deviancy as a result of Differential Association. • Social Disorganization, Broken Homes and Deviancy. • Broken Window Theory of Deviancy. • Impact of mass media on juveniles: Bandura and Imitation Theory, Glaser and Identification Theory. • Learning Theories; Criminal Opportunity Theory; Sub culture Theories. 	
<p>Unit-III Laws Relating to Deviant Behaviour of Juveniles.</p>	<p align="center">15 Hrs</p>
<p>Chapter – 5 History of Juvenile Justice Act.</p> <ul style="list-style-type: none"> • Early History of JJ in India up to 2015: Joint Family system and typical Varnashram beliefs and duty towards children. • Juvenile Justice introduced by the British-on-British model at the provincial level in India. • Apprenticeship Act, Reformatory Schools Act, Children Acts of 1920s and 1930s; Borstal Schools Acts, Central Children Act 1960, JJ Act 1986, JJ Act 2000, JJ Act 2015 (care and protection act). <p>Chapter- 6 Legal frameworks.</p> <ul style="list-style-type: none"> • Conceptual clarity on Legal frameworks (POCSO, ITPA, Child Labour Act, Information Technology Act, Child Marriage Act) • Familiarization of various other laws relating to children in India. • Identifying appropriate practitioners/stakeholders (includes special educators, translators, interpreters, psychologists and psychiatrists). 	
<p>Unit-IV Institutions in India for Children’s.</p>	<p align="center">15 Hrs</p>
<p>Chapter -7 Institutions in India for Children in Conflict with Law (CICWL)</p> <ul style="list-style-type: none"> • Juvenile Justice Board (JJB): Composition of the Board – Powers, functions and responsibility. • Procedure in relation to children in conflict with law – Special focus on Section 15 (Preliminary assessment in heinous offences). • Powers of children’s court – Observation homes – Special home – Borstal school – Special juvenile police unit – Managing the unrest of children in child care institutions – Managing deviant behaviour in juvenile justice institutions. <p>Chapter – 8 Institutions in India for Children in Need of Care and Protection (CINOCAP)</p> <ul style="list-style-type: none"> • Child Welfare Committee (CWC): Composition of the Committee, Powers, functions and responsibility. • Procedure in relation to children in need of care and protection – Open shelter – Place of safety – Foster care – Children’s/Shelter homes – Institutions’ roles (public/private) – Adoption and sponsorship of children. 	

Chapter – 9 Juvenile Justice Process.

- Pre-trial, trial and sentencing – Probation – Juvenile deterrence practices – Rehabilitation and social re-integration – After care programs – Nature and role of diversion programs – Disposition process
- Social Investigation and Reporting and its impact on rehabilitation – Individual Care Plan (ICP) – Legal and ethical role, Communication skills and attitudes (move away from apathy to empathy) of Practitioners (Special Juvenile Police Unit) in pre-trial and during trial for timely disposition of cases and forensic investigations/interviewing
- Role of families/guardians (support persons) in the trial and post-trial process – Repatriation – Child friendly atmosphere to be initiated and implemented in courts (JJB and CWC) and police stations – Best practices (Local and International) – Do's and Don'ts.

References

1	Krishna Pal Malik (2011) " <i>Penology, Victimology, and Correctional Administration in India</i> " Allahabad Law Agency, Hariyana
2	Siegel J Larry (2006) " <i>Criminology 9th Edition</i> " Thomas Publications, USA.
3	Johnson, H. M., (1960), ' <i>Sociology: A Systematic Introduction</i> ', Allied Pub. New Delhi.
4	Ashoka (2014) " <i>Samagra Aparadha Vidhnyana</i> " Sudha Publications, India.
5	Amberley R. Buxton, Susan Rodger, Anne L. Cummings and Alan W. Leschied (2006). The change process in clients with high needs. <i>Canadian Journal of Counseling</i> .
6	Johnson, H. M., (1960), ' <i>Sociology: A Systematic Introduction</i> ', Allied Pub. New Delhi.

E-Resources:

- https://sg.inflibnet.ac.in/bitstream/10603/222579/4/04_chapter%201.pdf
- <https://study.com/academy/lesson/what-is-juvenile-delinquency-definition-theories-facts.html>
[21/10/2019](https://study.com/academy/lesson/what-is-juvenile-delinquency-definition-theories-facts.html)
- <https://shodhgangotri.inflibnet.ac.in/handle/123456789/3412>
- https://en.wikipedia.org/wiki/Child_abuse
- <https://www.unicef.org/child-rights-convention/child-rights-why-they-matter>
- https://shodhganga.inflibnet.ac.in/bitstream/10603/66825/19/19_conclusion%20and%20suggestions.pdf

Course Articulation Matrix: Mapping of Course Outcomes (COs) with Program Outcomes(POs1-15)

Course Outcomes (COs) / Program Outcomes(POs)	CO1	CO2	CO3	CO4
1. Disciplinary knowledge and skills	X	X	X	X
2. Skilled communicator	X	X	X	X
3. Critical thinker and problem solver	X	X	X	X
4. Team player/worker	X	X	X	X
5. Skilled project manager	X	X	X	X
6. Digitally literate	X	X	X	X
7. Analytical reasoning	X	X	X	X
8. Research-related skills	X	X	X	X
9. Multicultural competence	X	X	X	X
10. Moral, Ethical & Legal reasoning	X	X	X	X
11. Develop scientific temper and self-motivating learnings	X	X	X	X
12. Lifelong learner	X	X	X	X

Course Articulation Matrix relates course outcomes of course with the corresponding program outcomes whose attainment is attempted in this course. Mark 'X' in the intersection cell if a course outcome addresses a particular program outcome.

Pedagogy: Lecture, Assignments, Interactive Sessions, ICT, Group Discussion

Formative Assessment 40 (Weightage in Marks includes: Written Tests, Activities/Assignment/Seminar/Presentation & Attendance)			
Assessment Occasion/type	C1	C2	Total Marks
Written Test (2)	10	10	20
Seminar/Presentation/ Activity	10	---	10
Case work/Assignment/Field work/Project work etc	---	10	10
Total	20	20	40

Course Title	FIELDWORK/ PROJECT/ DISSERTATION/ INTERNSHIP (Practical)	Practical Credits	2
Course Code	CFS C14 P	Contact Hours	56 Hrs
Formative Assessment	25 Marks	Summative Assessment	25 Marks
Practical Content			

SUGGESTED TOPICS

1. Crime in urban and rural areas.
2. Railway crimes.
3. Study on violent crimes.
4. Prison administration.
5. Police administration.
6. Police training.
7. Police-Community relations
8. Police help-line.
9. Forest crimes.
10. Criminal personality tendencies- groups; tribes.
11. P.O. Act- released offenders on probation.
12. Prisoners Act- Released convicts.
13. Victims of Crime.
14. Communal violence.
15. Juveniles in conflict with law.
16. Child labor.
17. Drug abuse
18. Voluntary agencies.
19. Ragging.
20. Economic offences.
21. Cyber crimes.
22. Prostitution- sex workers.
23. Human Rights.
24. Female criminality.
25. Crimes against women.
26. Crimes against children.
27. Mass media and crime.
28. Case Studies.
29. Pornography.
30. Crimes against weaker sections.
31. Habitual Criminals
32. Consumer Protection.

Note:

- **Fieldwork/ Project/ Dissertation/ Internship a student can choose any related topics pertaining to the field of Criminology & Forensic Science other than the mentioned above.**

STUDY METHODOLOGY:

The students are given an option to select one of the above-mentioned topics. During the allocated session, the topic will have to be studied and a specific methodology is to be followed;

1. Selection of the topic
 2. Study the topic to evolve the statement of the problem
 3. Literature survey
 4. Methodology
 5. Collection of data or information on the institution or case (depending upon the topic and method)
 6. Analysis and interpretation of the data.
 7. Findings and conclusions.
- Each of the students will be assigned a study supervisor.
 - The pedagogy to be followed is to mentor the student, review progress and suggest corrections.
 - The student will have to attend the designated classes and the teacher assigned will conduct the contact session in relation to the research methods to his/her assigned students.
 - The designated classes for the field work will be mentioned in the college and department time table.
 - The contact sessions will be deemed to be a part of the practical workload of the designated teacher.
 - Finalization and submission of the report will have to take place at least one week before the scheduled university practical examination.
 - The report shall contain letters of permission from the institutions and endorsement thereof as to having visited the institution for collection of information.
 - The copies of the filled in questionnaires will have to be submitted in a separate file in case if the student has used the survey method.
 - The reports shall be evaluated at the term end examination, conducted by the University of Mysore.
 - The evaluation will also be based upon the viva-voce, in relation to the report.

Program Name	BA/B.Sc. in Criminology and Forensic Science	Semester	VI
Course Title	Forensic Dactyloscopy and DNA Fingerprinting ((Theory)		
Course Code:	CFSC15T	No. of Credits	4
Contact hours	4 Hrs/Week	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):	
<p>Course Outcomes(COs):After the successful completion of the course, the student will be able to:</p> <p>CO1: Understanding the concept of Forensic Dactyloscopy and DNA and its significance.CO2: Familiarizing the fundamental principles and Laws of Individuality. CO3: To gain insights of crimes, scams and their investigation in Indian context. CO4: To understand the forensic importance of Forensic Dactyloscopy and DNA in CJS</p>	
Contents	60 Hrs
Unit- I : Introduction to Dactyloscopy	15 hours
<p>Chapter -1 Meaning of Dactyloscopy</p> <ul style="list-style-type: none"> • Meaning and Scope; Print Science, Importance of Print Science, • Morphology of Fingerprints and Footprints; • Basic Features and Principles of Fingerprints • Historical Development of Print Science. • Organization of State and Central Fingerprint Bureaus, Embryo genesis. • Dermatological formation and Diseases influence on the damages of fingerprints, Biometric uniqueness, and Finger prints as Evidence. <p>Chapter -2 Classification of Finger Prints Patterns</p> <ul style="list-style-type: none"> • Meaning and importance of classification of finger print patterns. • Explaining various types of classification of Finger prints; • Henry classification and its examination, • secondary classification system, • Sub secondary classification system, • Secondary sub secondary classification system, • Key classification, • Final classification and Single digit classification system 	

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<ul style="list-style-type: none"> • Fingerprint Patterns: Fingerprint Peculiarities/Minutiae and Characteristic. <p>Chapter -3 Significance of palm prints</p> <ul style="list-style-type: none"> • Significance of palm prints, Ridges and characteristics, Ridge counting, Minutiae, Poroscopy and Edgescopy, • Characteristics of pores – size, position and latent print formation of pores 	
<p>Unit- II Development of Finger Prints.</p>	15 hours
<p>Chapter – 4 Development of Finger Prints</p> <ul style="list-style-type: none"> • Types of Chance Prints at Scene of Crime • Development of Latent Finger Prints. <p>Chapter- 5 Physical Methods for Latent Fingerprint Development</p> <ul style="list-style-type: none"> • Powder Methods: Regular: - Black powder and white powder. Metallic: Aluminium powder and Magnetic black powder. Fluorescent: Greenescent and Pinkescent fluorescent powders. • Iodine Fuming Method. <p>Chapter-6 Chemical and Photography Methods for Fingerprint Development</p> <ul style="list-style-type: none"> • Gentian Violet, Cyanoacrylate and Silver Nitrate Method. • Ninhydrin Method etc. • Developing of Latent Prints and Visible prints by Slanting Photograph. <p>Chapter-7 Biometric, Digital Imaging and Green Methods</p> <ul style="list-style-type: none"> • Forensic application of Biometrics, Biometric Impression on Scanner/Live Scans. • Application of digital imaging process in Fingerprint science. • AFIS application in Police and Finger Print Bureau, Application of light sources in fingerprint detection. 	
<p>Unit-III Foot Prints</p>	15 hours
<p>Chapter- 8 Development of Foot Prints</p> <ul style="list-style-type: none"> • Meaning, Types, Importance • Tracing of surface foot prints, • Casting and lifting of surface and sub-sunken footprints • Gait pattern analysis – • Determination of Sex, Height, Age of a person • Gait pattern analysis 	
<p>Unit-IV DNA Finger Prints</p>	15 hours
<p>Chapter -9 Meaning and Importance of DNA Finger Prints</p> <ul style="list-style-type: none"> • Meaning of DNA Finger Prints and Scopes • Importance of DNA finger Prints • Legal procedure for conducting DNA finger Prints • Different type's cases conduct DNA Finger Prints. <p>Chapter – 10 Legal provisions Of DNA Finger Prints.</p> <ul style="list-style-type: none"> • Source of DNA: Blood, Saliva, Hair, Skin Tissues and Nail etc. 	

References-Suggested Readings	
1	Andrew R.W.Jackson, Julie M Jackson, 2011, “Forensic Science”, Pearson Education Limited.
2	B.S.Nabar , 2001, forensic science in Crime Investigation”, Asia law House.
3	J C Upshaw Downs, Anjali Ranadive, Swienton , 2002, “Ethics in Forensic Science, Academic Press Publications.
4	Jay A Siegel, KatheyMirakovits, 2013, “Forensic Science: The Basics”, CRC press.
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10.	Jay A Siegel, KatheyMirakovits, 2013, “Forensic Science: The Basics”, CRC press.
11.	Walls H. J. (2nd Ed. 2008), – Forensic Science: An Introduction to Scientific Crime Detection, Universal Law Publishing Co. Pvt. Ltd. New Delhi-33
12.	Forensic Science in Criminal Investigation and Trials, B. R. Sharma
13.	John Townsend, 2008, “Forensic Evidence: Prints”, Crabtree Publishing House
14.	Bumbrah, G. S.; Small particle reagent (SPR) method fordetection of latent fingermarks: A review. Egyptian Journal ofForensic Sciences 2016, 6, 328. [CrossRef]
15.	Linda L Klepinger, 2006, “Fundamentals of Forensic Anthropolgy”, John wiley and sons

E-Resources:

<https://www.britannica.com/topic/dactyloscopy> <https://forensicfield.blog/dactyloscopy/>
https://www.researchgate.net/publication/355065615_Fingerprint_Development_Techniques_A_Review
<https://www.wiley.com/en-us/Fingerprint+Development+Techniques:+Theory+and+Application-p9781119992615>
<https://www.ijert.org/an-advanced-method-fingerprint-recognition-and-analysis-for-all-investigationindustrial-applications> <https://www.taylorfrancis.com/chapters/mono/10.1201/9781420041347-7/methods-latentfingerprint-development-ashim-datta-henry-lee-robert-ramotowski-gaensslen>
<https://www.sciencedirect.com/science/article/abs/pii/S0031320395001069#:~:text=Fingerprints%20are%20classified%20into%20five,loop%2C%20right%20loop%20and%20whorl.>
https://www.cse.msu.edu/~cse802/Papers/802_FPCclassification.pdf

Course Articulation Matrix: Mapping of Course Outcomes (COs) with Program Outcomes(POs1-15)

Course Outcomes (COs) / Program Outcomes(POs)	CO1	CO2	CO3	CO4
Disciplinary knowledge and skills	X	X	X	X
Skilled communicator	X	X	X	X
Critical thinker and problem solver	X	X	X	X
Team player/worker	X	X	X	X
Skilled project manager	X	X	X	X
Digitally literate	X	X		X
Analytical reasoning	X	X	X	X
Research-related skills	X	X	X	X
Multicultural competence	X	X	X	X
Moral, Ethical & Legal reasoning	X	X	X	X
Develop scientific temper and self motivating learnings	X	X	X	X
Lifelong learner	X	X	X	

Course Articulation Matrix relates course outcomes of course with the corresponding program outcomes whose attainment is attempted in this course. Mark 'X' in the intersection cell if a course outcome addresses a particular program outcome.

Pedagogy: Lecture, Assignments, Interactive Sessions, ICT, Group Discussion

Formative Assessment 40 (Weightage in Marks includes: Written Tests, Activities/Assignment/Seminar/Presentation &Attendance)			
Assessment Occasion/type	C1	C2	Total Marks
Written Test (2)	10	10	20
Seminar/Presentation/ Activity	10	---	10
Case work/Assignment/Field work/Project work etc	---	10	10
Total	20	20	40

Course Title	Examination of Fingerprints and Footprints (Practical)	Practical Credits	2
Course Code	CFSC16P	Contact Hours	60 Hrs
Formative Assessment	25 Marks	Summative Assessment	25 Marks
Practical Content			
Unit-I Examination of Fingerprints (30 Hrs)			
<ol style="list-style-type: none"> 1. Recording of fingerprints – Pattern analysis, 2. Identification of Ridge characteristics, 3. Ridge tracing & ridge counting, Comparison of fingerprints 4. Developing latent fingerprints – Physical methods & Chemical Methods 			
Unit-II Examination of Footprints (30 Hrs)			
<ol style="list-style-type: none"> 5. Recording of foot prints 6. Identification of Gait patterns 7. Tracing of surface footprints 8. Casting method of Sunken footprints 			

Pedagogy: Conduct experiments, applying forensic techniques

Formative Assessment for Practical	
Assessment Occasion/type	Marks
Record	05
Plan, Procedure & Conduction	05
Results & Discussion	05
Applying Forensic Techniques	05
Viva	05
Total	25 Marks
<i>Formative Assessment as per guidelines</i>	

References	
1	Andrew R.W.Jackson, Julie M Jackson, 2011, “Forensic Science”, Pearson Education Limited.
2	B.S.Nabar , 2001, Forensic science in Crime Investigation”, Asia law House.
3	J C Upshaw Downs, Anjali Ranadive, Swienton , 2002, “Ethics in Forensic Science, AcademicPress Publications.

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Program Name	BA/B.Sc. in Criminology and Forensic Science	Semester	VI
Course Title	Corporate Crimes (Theory)		
Course Code:	CFSC17T	No.of Credits	04
Contact hours	4 Hrs/Week	Duration of SEA/Exam	2 hours
Formative Assessment Marks	40	Summative Assessment Marks	60

Course Pre-requisite(s):

Course Outcomes(COs):After the successful completion of the course, the student will be able to:

- CO1: Understand the definition, nature, role of Corporate Crimes.
 CO2: Explain the basic elements and major scope, types of Corporate Crimes.
 CO3: Understanding the various types of corporate crimes occurred in India.
 CO4: To know the existing Laws and Preventive measures towards Corporate Crimes in India.

Contents	60 Hrs
Unit- 1 Introduction Corporate Crimes	15 Hrs
Chapter-1 Nature of Corporate Crime <ul style="list-style-type: none"> • Meaning and Definition of Corporate Crimes. • Various Types of Corporate Crimes • Famous Cases of Corporate Crimes. Chapter- 2 Forms of Corporate Crimes <ul style="list-style-type: none"> • Bankruptcy related Frauds • Exploiting assets & scams • Mortgage Frauds • Share Sale Frauds 	
Unit- 2 Corporate Frauds	15 Hrs
Chapter- 3 Various kinds of Corporate Frauds in India. <ul style="list-style-type: none"> • Meaning & Definition of Fraud • Types of Fraud: - Individual & Corporate • Characteristics of Fraud • Trends of Scams: National & Global Perspective Chapter- 4 Fraud in Banking Sector <ul style="list-style-type: none"> • Definition & Scope of Fraud in Banking Sector • Banking Impersonation Chapter-5 Types of Frauds <ul style="list-style-type: none"> • Fraud against Accounts • Fraud against Card (Debit/Credit) • Electronic Fraud and Miscellaneous Fraud 	

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Unit- 3 Introduction to Insurance Frauds	15 Hrs
Chapter- 6 Meaning of Insurance Frauds <ul style="list-style-type: none"> • Definition, Nature & Scope of Insurance • Losses due to Insurance Frauds Chapter- 7 Types of Insurance Frauds <ul style="list-style-type: none"> • Property Insurance • Motor Vehicle Insurance • Health Insurance • Role of Investigation in Insurance Frauds 	
Unit- 4 Prevention of Corporate Crimes	15 Hrs
Chapter- 8 Measures in preventing Corporate Crimes in India. <ul style="list-style-type: none"> • Laws, Regulation and Supervision • Corporate Governance Chapter-9 Private Sector in India <ul style="list-style-type: none"> • Governance of Private Sectors in India. • Laws, Regulation and Supervision • Suspicious Transaction Reporting 	

References	
1	Anabui, Farad and Kakabadse, Andrew, 2004, Corporate sabotage, Jaico Publishing House.
2	Blum Richard H, 1972, Deceivers and Deceived, Charles, C. Thomas Publishers.
3	Bologna, Jack, 1984, Corporate Fraud, Butterworth Publishers.
4	Celia Wells, "Corporations and Criminal Responsibility".
5	Essential Commodities Act, 1955, 2005, Universal Law Publishing Co. Pvt. Ltd.
6	Ghosh Murrain, 1979, Black money – The case for India, Subarna Rekha, Calcutta.
7	Green Timothy, 1977, The Smuggling Business, Aldus Books, London. Internationally, Kogan Page Ltd.
8	Lal Bhure, 2003, Money Laundering: An insight into the dark world of Financial Frauds, Siddharth Publications.
9	Nabhi's Income Tax Guidelines and Mini Ready Reckoner, 2009, Anabhi Publication Bare Acts:
10	Pitchandi Nand Sivamurthy A, 1985, Insurance Frauds, the Indian Society of Criminology, Department of Psychology, Madras.

E-Resources:

- <https://www.britannica.com/topic/corporate-crime>
- <https://www.financierworldwide.com/roundtable-corporate-fraud-nov22#.ZDZkwPZBzIU>
- <https://www.weforum.org/communities/gfc-on-good-governance>
- <https://gppreview.com/2022/12/12/criminal-liability-of-corporations-in-india-an-environmental-perspective/>
- <https://www.datavisor.com/wiki/types-of-bank-frauds/>
- <https://www.investopedia.com/terms/i/insurance-fraud.asp>
- <https://www.iii.org/article/background-on-insurance-fraud>

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Digitally literate		X		X
Analytical reasoning	X	X	X	X
Research-related skills	X	X	X	X
Multicultural competence	X	X	X	X
Moral, Ethical & Legal reasoning	X	X	X	X
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Seminar/Presentation/ Activity	10	---	10
Case work/Assignment/Field work/Project work etc	---	10	10
Total	20	20	40

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Course Title	Examination of Frauds and Corporate Crimes - VIII (Practical)	Practical Credits	2
Course Code	CFS C 18 P	Contact Hours	60 Hrs
Formative Assessment	25 Marks	Summative Assessment	25 Marks
Practical Content			
Unit-I Analysis of Corporate Crimes (30 Hrs)			
1. To analyse the Famous Indian Corporate Crimes. 2. Examination and Identification of the Forged Documents: a) Check Books, affidavits and other Government Documents b) Counterfeit of Notes and Coins. 3. Examination of Forged Signature			
Unit-II Examination of Bank and IT Frauds (30 Hrs)			
3. Evaluate and study of preventive measures towards Frauds in local and national banks (Plastic Cards, E-transactions, Gold and other ornaments) 4. Examination of Peculiar Characteristics of Different Documents like: Income Tax Returns, Insurance Bonds, E-certificates and E-documents.			

Pedagogy: Conduct experiments, applying forensic techniques

References	
1	LNJN National Institute of Criminology and Forensic Science, "A Forensic Guide for Crime Investigators – Standard Operating Procedures", LNJN NICFS, 2016.
2	Cory Altheide and Halan Carvey; "Digital Forensics with Open Source Tools", Syngress Publication.
3	Sherri Davidoff and Jonathan Ham; "Network Forensics – Tracking Hackers through Cyberspace", Pearson Publications, 2012.

Course Title	FIELDWORK/ PROJECT/ DISSERTATION/ INTERNSHIP (Practical)	Practical Credits	2
Course Code	CFS C20 P	Contact Hours	56 Hrs
Formative Assessment	25 Marks	Summative Assessment	25 Marks
Practical Content			

SUGGESTED TOPICS

1. Crime in urban and rural areas.
2. Railway crimes.
3. Study on violent crimes.
4. Prison administration.
5. Police administration.

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6. Police training.
7. Police-Community relations
8. Police help-line.
9. Forest crimes.
10. Criminal personality tendencies- groups; tribes.
11. P.O. Act- released offenders on probation.
12. Prisoners Act- Released convicts.
13. Victims of Crime.
14. Communal violence.
15. Juveniles in conflict with law.
16. Child labor.
17. Drug abuse
18. Voluntary agencies.
19. Ragging.
20. Economic offences.
21. Cyber crimes.
22. Prostitution- sex workers.
23. Human Rights.
24. Female criminality.
25. Crimes against women.
26. Crimes against children.
27. Mass media and crime.
28. Case Studies.
29. Pornography.
30. Crimes against weaker sections.
31. Habitual Criminals
32. Consumer Protection.

STUDY METHODOLOGY:

The students are given an option to select one of the above-mentioned topics. During the allocated session, the topic will have to be studied and a specific methodology is to be followed;

1. Selection of the topic
 2. Study the topic to evolve the statement of the problem
 3. Literature survey
 4. Methodology
 5. Collection of data or information on the institution or case (depending upon the topic and method)
 6. Analysis and interpretation of the data.
 7. Findings and conclusions.
-
- Each of the students will be assigned a study supervisor.
 - The pedagogy to be followed is to mentor the student, review progress and suggest corrections.
 - The student will have to attend the designated classes and the teacher assigned will conduct the contact session in relation to the research methods to his/her assigned students.

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- The designated classes for the field work will be mentioned in the college and department time table.
- The contact sessions will be deemed to be a part of the practical workload of the designated teacher.
- Finalization and submission of the report will have to take place at least one week before the scheduled university practical examination.
- The report shall contain letters of permission from the institutions and endorsement thereof as to having visited the institution for collection of information.
- The copies of the filled in questionnaires will have to be submitted in a separate file in case if the student has used the survey method.
- The reports shall be evaluated at the term end examination, conducted by the University of Mysore.
- The evaluation will also be based upon the viva-voce, in relation to the report.

Note:

- In the 5th and 6th semester, students have to undergo one compulsory practical paper and a research project or internship per semester and for the convenience, 50% of the students should be allotted either internship or practical paper. Students who have done internship in their 5th semester should go for research project in their 6th semester and vice-versa.
- Scheme of Evaluation for Practical **IA**: Total Marks **50** (**IA 25** – **05** for Records, **05** for Plan, Procedure & Conduction, **05** for Results & Discussion, **05** for Applying Forensic Techniques, **05** for Viva.
- Scheme of Evaluation for Practical Examination **SA**: Total Marks **50** (**SA 25** – **15** Conduction, **05** Writing, **05** for viva)
- For **Thesis / Reports**: Total Marks **50** (**IA 25** + Viva-Voce **10**, Report / Thesis **15**)