



DAVANGERE UNIVERSITY, DAVANGERE

B.A/B.Sc in Criminology and Forensic Science

SYLLABUS

DISCIPLINE SPECIFIC CORE COURSE (DSC) AS PER SEP:2024

III & IV SEMISTER

With Effect from 2025-26

Coordinator
Department of Studies in
Criminology and Forensic Science
Davangere University,
Shivagangotri, Davangere-577007.

Chairman BoS
Department of Studies in
Criminology and Forensic Science
Davangere University,
Shivagangotri, Davangere-577007.

ANNEXURE-II

**B.A. / B.Sc. in Criminology and Forensic Science
With Practical (3 Major Subjects)**


III and IV Semester (w.e.f 2024-25 and Onward)

III Semester

Sem	Course Code	Course Type	Title of the Paper	Instructions Hrs/ Per Week			Duration of Exam	Total/ Sem	Marks			Credits
				Lecture	Tutorials	Practical			Formative Assessment	Summative Assessment	Total	
III	CFSC5T	Major	Police Science and Criminal Investigation	4 Hrs	-	--	3	60	20	80	100	4
	CFSC6P	Major	Crime Scene Investigation Methods	-	-	4 Hrs	3	50	10	40	50	2
	CFSC6AT	Elective	Crime Investigative Techniques	2 Hrs	-	-	2		10	40	50	2

IV Semester

Sem	Course Code	Course Type	Title of the Paper	Instructions Hrs/ Per Week			Duration of Exam	Total/ Sem	Marks			Credits
				Lecture	Tutorials	Practical			Formative Assessment	Summative Assessment	Total	
IV	CFSC7T	Major	Criminal Law and Penology	4 Hrs	-	--	3	60	20	80	100	4
	CFSC8P	Major	Field Visits: Visits to Criminal Justice Institutions	-	-	4 Hrs	3	50	10	40	50	2
	CFSC9T	Elective	Crime Scene Management	2 Hrs	-	-	2		10	40	50	2


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Davangere University, Davangere

B.A/B.Sc. in Criminology and Forensic Science With practical's
I to VI Semester (w.e.f 2024-25 and Onward)

Sem.	Type of Cour	Theory/ Practical	Course Code	Course Title	Instruction on Hour/Week	Total Hours Per Sem	Duration of Exam	Marks			Credits
								Formative	Summative	Total	
I	DSC-1	Theory	CFSC1T	Introduction to Criminology	04 hrs	60	03hrs	20	80	100	04
	DSC-2	Practical	CFSC2P	Crime Data Analysis	02 hrs	56	03hrs	10	40	50	02
II	DSC-3	Theory	CFSC3T	Introduction to Forensic Science	04 hrs	60	03hrs	20	80	100	04
	DSC-4	Practical	CFSC4P	Scene of Crime Investigation	02 hrs	56	03hrs	10	40	50	02
	DSC-5	Theory	CFSC5T	Police Science and Criminal Investigation	04 hrs	60	03hrs	20	80	100	04
	DSC-6	Practical	CFSC6P	Crime Scene Investigation	02 hrs	60	03hrs	20	80	100	02
III	EC-1	Theory	CFSC6AT	Crime Investigative Techniques	02 hrs	32	02hrs	10	40	50	02
	DSC-7	Theory	CFSC7T	Criminal Law and Penology	04 hrs	60	03hrs	20	80	100	04
IV	DSC-8	Practical	CFSC8P	Field Visits: visits to Criminal Justice Institutions	02 hrs	56	03hrs	10	40	50	02
	EC-2	Theory	CFSC8AT	Crime Scene Management	02 hrs	32	02hrs	10	40	50	02
	DSC-9A	Theory	CFSC9T	Forensic Medicine and Toxicology	04 hrs	60	03hrs	20	80	50	04
V	DSC-10A	Practical	CFSC10P	Medico legal Examination	02 hrs	56	03hrs	10	40	50	02
	DSC-9B	Theory	CFSC11T	Digital Forensic and Cyber Crime	04 hrs	60	03hrs	20	80	100	04
	DSC-10B	Practical	CFSC12P	Digital Forensic Investigation	02 hrs	56	03hrs	10	40	50	02
	DSC-13A	Theory-	CFSC13T	Forensic Documents and Ballistics	04 hrs	60	03hrs	20	80	100	04
VI	DSC-14A	Practical	CFSC14P	Questioned Documents and Ballistics	02 hrs	56	03hrs	10	40	50	02
	DSC-13B	Theory-	CFSC15T	Dactyloscopy and DNA Fingerprinting	04 hrs	60	03hrs	20	80	100	04
	DSC-14B	Practical	CFSC16P	Fingerprint Analysis	02 hrs	56	03hrs	10	40	50	02
Total					52						52

Davangere University, Davangere
B.A./B.Sc in Criminology and Forensic Science

Programme Specific Outcomes (PSOs)

On completion of the 03 years Degree in Criminology and Forensic Science students will be able to:

- Demonstrate, solve and understand the major concepts in all the disciplines of Criminology and Forensic Science
- Understand practical skills so that they can understand and assess risks and work safely and competently in the laboratory.
- To apply standard methodology to the solutions of problems in the concerned field
- Provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes.
- Develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of crime investigations.
- To build confidence in the candidate to be able to work on his own in industry and institution of higher education.
- To develop an independent and responsible work ethics

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B.A. Semester-III

Discipline Specific Course(DSC-5)

Course title: Police Science and Criminal Investigation
Course Code: CFSC5T

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No.of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-5	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs): At the end of the course students will be able to:

- CO1: Understand the concept and purpose of Police Science and its importance in crime prevention, investigation and maintaining social order peacefully.
- CO2: Develop the knowledge regarding the Police Administration, Enforcement of Laws of the nation Maintaining the Law and Order.
- CO3: Understanding the various challenges faced by police in their day to day policing.
- CO4: Become aware about the different types of crime scenes, investigations and their related legal procedures.

Unit	Course Title: POLICE SCIENCE AND CRIMINAL INVESTIGATION	60 hrs/sem
Unit I	INTRODUCTION OF POLICE SCIENCE <ul style="list-style-type: none"> Police System: Concept and Historical Development in India. State and Central Police Organization. International Police Organization. Recruitment and Training of Police. Police station: Meaning, Types and Structure. 	15 hrs
Unit II	POLICE UNITS AND THEIR FUNCTIONS <ul style="list-style-type: none"> State Police Units: i). Civil, Reserve, Traffic, Coastal, Fire, Technical wings. ii). Dogs Squad, and Crime Record Statistics. Central Police Units: i). Armed Reserved, BSF, CISF, CRPF, ITBP, NSG, SSB, ii) RAW, CBI, NCB, NIA, BPR&D and NCRB. 	15 hrs
Unit III	POWERS AND FUNCTIONS OF POLICE <ul style="list-style-type: none"> Qualities of Investigating Officer. Registration of Cases: Recording of FIR, Case Diary and Charge Sheet. Investigation: i) Meaning and Importance. ii). Tools of Investigation: Information, Interrogation and Instrumentation. Executive Powers and duties of Police in Arrest, Search, Seizure Under Bharatiya Nagarik Suraksha Sanhita (BNSS). Modus Operandi Bureau. 	15 hrs

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Unit IV	INSPECTION OF CRIME SCENE <ul style="list-style-type: none"> • Crime Scene: Meaning, Types and Importance • Responsibilities of First Responding officer at Crime Scene. • Stages of Crime Scene Inspection: <ul style="list-style-type: none"> i). Protection, Photography, Videography, Sketching (rough and neat) of Crime Scene. ii). Searching, Locating, Fixing, Collecting, Preservation and Forwarding of Physical Evidences to the Expert Opinion. • Advance Technology in Policing • Prevention of Crime: Beat, Patrolling, Surveillance, Police and Public relations. 	
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References:

1. Bindler, A., Hjalmarsson, R., (2017). *Prisons, recidivism and the age-crime profile*. Economics Letters.
2. Srivastava Aparna. (1999). *Role of Police in Changing Society*, APH Publishing House.
3. Becker, G. S. (1968). *Crime and punishment: An economic approach*. In: The economic dimensions of crime. Springer,.
4. Sing Joginder. (2002). *Inside Indian Police*, Gyan Publication New Delhi.
5. Singh SoibamIbocha, (2007). *Community Policing*, Akansha Publishing House, New Delhi.
6. Ramanujam- "*Prevention and Detection of Crime*". Madras Book Agency.,
7. Bhalotra, S., Clots-Figueras, I. (2014). Health and the political agency of women. American Economic Journal: Economic Policy.
8. Mathur K.M. (1991) *Police in India" problems and perspectives*, Gian Publishing House New Delhi.
9. Lyman M. D. (1999). "*Criminal Investigation*", Prentice Hall New Jecy
10. Karnataka Police Manual, KP Act 1963 motor vehicle Act

Formative Assessment for Theory	
Assessment Occasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
<i>Formative Assessment as per guidelines.</i>	


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B.A./B.Sc Semester–III

Elective Paper

Course title: Crime Investigative Techniques

Course Code: CFSC6AT

Type of Course	Theory /Practical	Credits	Instruction hours per week	Total No.of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
Elective	Theory	02	02	32hrs.	2hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

- The methods of securing, searching and documenting crime scenes.
- Use of technology in crime scene management.
- The art of collecting, packaging and preserving different types of physical and trace evidence at crime scenes

Unit	Course Title: Crime Investigative Techniques	32 hrs/sem
Unit I	INTRODUCTION OF POLICE SCIENCE 1) Introduction to Police Science. Application of Science & Technology in Police Work. 2) Use of computers, video conferencing and role of media in police science and police work. Investigation- meaning, legal provisions and compliance by the police. 3) Modes of Investigation Use of informers, crime charts / maps, MOB Records, Criminal intelligence.	08 hrs
Unit II	Scientific aids and equipment in police work 1) Scientific aids and equipment in police work –I O's Kit, Invisible rays, Metal detectors, portable x-ray units and Photographic Kit, their contents and uses. 2) Scene of Crime – Meaning & types – Methods of Search, recording; sketching, photography and videography and Panchanama.	08 hrs
Unit III	Scientific methods of investigation 1) Scientific methods of investigation of Homicides, Suicides, Unnatural deaths and Motor vehicle accidents. 2) Investigative techniques of Drug related offences, Forgery and Securities and offences relating to Smuggling of Antiquities. 3) Cyber Crimes, Meaning, Types and Investigative techniques.	08 hrs

Unit IV	Clue materials and Criminal Laws A. Scientific techniques of collection of Clue materials- 1) Types: Biological, Physical and chemical. 2) Computer Articles:- ROM, CPU, CDs, Hard disks and other 3) Location and identification from the crime scene, victim and the suspect B. Basics to New Criminal Laws -2023	08hrs
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References:

1. Prevention and Detection of Crime – P. Ramanujam
2. Modern Criminal Investigation – Sodderman and O" Connell
3. Techniques of Crime Scene Investigation – Stevenson & Wendell.
4. Elements of Criminal Investigation – Weston and Walls
5. Criminal Investigation- Hans Gross.
6. Hand Book of Forensic Science – K.P.A. Publication
7. Criminal Investigation – O"Hara
8. Scientific Aids to Investigation-Giriraj Shah (1999) Anmol Publications, New Delhi.

Formative Assessment for Theory	
Assessment Occasion/type	Marks
InternalAssessmentTest1	05
Assignment	05
Total	10 Marks
<i>Formative Assessment as per guidelines.</i>	

B.A./B.Sc Semester-IV

Discipline Specific Course(DSC-7)

Course Title:-CRIMINAL LAW AND PENOLOGY

Course Code: CFSC7T

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-7	Theory	04	04	60hrs.	3hrs.	20	80	100

Course Outcomes (COs):At the end of the course students will be able to:

CO1: Enhance the ability of the students to understand the history of criminal law, The Bhartiya Nyaya Samhita,

Bhartiya Nagarik Suraksha Sanhita and Bhartiya Sakshya Adhiniyam along with some selected sections.

CO2: Understand about the meaning, concept and scope of penology and Correctional Administration

CO3: Explain the theories and types of punishments in the past and present in India and abroad.

CO4: Understanding the concepts of institutional (prison) and non-institutional treatments of prisoners, types and the legal provisions.

Unit	COURSE TITLE: CRIMINAL LAW AND PENOLOGY	60 hrs/sem
Unit I	INTRODUCTION TO CRIMINAL LAW <ul style="list-style-type: none">Meaning, Definitions and Characteristics of Criminal LawHistory of Indian Penal Code – Code of Criminal Procedure – Indian Evidence Act (New and Indigenous laws 2023) The Bharatiya Nyaya Samhita: Definition of Crimes and Punishments <ul style="list-style-type: none">Crimes against Property: Theft, Robbery, Dacoity and Forgery.Crimes against Persons: Culpable homicide, Murder, Rape, Hurt and Defamation.	15 hrs
Unit II	THE BHARATIYA NAGARIK SURAKSHA SANHITA AND THE BHARATIYA SAKSHYA ADHINIYAM The Bharatiya Nagarik Suraksha Sanhita <ul style="list-style-type: none">Organizational set-up of courts in IndiaPublic prosecutor, Defense counsel and Concept of fair trialArrest, Rights of arrested person and types of bail The Bharatiya Sakshya Adhiniyam <ul style="list-style-type: none">Evidence: Meaning, types, concept of relevancy and admissibilityConfessions, Dying Declaration and Expert opinionBurden of proof, Cross-examination and re-examination.	15 hrs

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Unit III	INTRODUCTION TO PENOLOGY <ul style="list-style-type: none"> • Penology: Meaning, Definitions, nature and scope • Punishment: Meaning and Types of Punishment • Theories of Punishment: i) Deterrence theory ii) Retributive theory iii) Preventive theory iv) Reformation theory 	15 hrs
Unit IV	INSTITUTIONAL AND NON-INSTITUTIONAL TREATMENT Institutional Treatment: <ul style="list-style-type: none"> • Meaning and purpose • Types of institutions: adult, women and children • Constitutional and legal provisions of prisoners • Remission, temporary release and premature release Non-Institutional Treatment for Prisoners: <ul style="list-style-type: none"> • Community based corrections: Probation, Parole, and After care services, • Role of NGOs in reformation and rehabilitation 	15hrs

References:

1. Vadakumchery James. (1983). *Criminology and Penology*, Kairali Book International, Trivandrum.
2. Sutherland E.H. and Crassey D.R.(1965) *Principles of Criminology*, Times of India Press, Bombay.
3. Srivatsava S. S. (2002). *Criminology and Criminal Administration*, Central Law Agency, Allahabad.
4. Rutherford, A. (1984). *Prisons and the Process of Justice*, Oxford: Oxford University Press
5. Paranjape N. V. (2005). *Criminology and Penology*, Central Law Publications, Allahabad.
6. RecklessWalter C. (1970).*The Crime Problem*, Vakils, Feffer and Simons Pvt. Ltd., Bombay.
7. Siddique Ahmed – Criminology Problems and Perspectives, III Edn., Eastern Book Company.
8. Barns H.E. and Teeters N. K. (1966). *New Horizons in Criminology*, Prentice Hall of India Pvt. Ltd., New Delhi.
9. Ashworth A. Horder J. (2013). *Principles of criminal Law*, Oxford University Press .
10. The Bharatiya Nyaya Samhita 2023, The Bharatiya Nagarik Suraksha Sanhita 2023 and The Bharatiya Sakshya Adhiniyam 2023.

Formative Assessment for Theory	
Assessment Occasion/type	Marks
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
Total	20Marks
<i>Formative Assessment as per guidelines.</i>	


 24/04/2025 23/4/25
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B.A./B.Sc Semester-IV

Discipline Specific Course(DSC-8)

Course Title:- Field Visits : Visits to Criminal Justice Institutions

Course Code: CFSC8P

Type of Course	Theory /Practical	Credits	Instruction hour per week	TotalNo. Of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
DSC-8	Practical	02	04	56hrs.	3hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

CO 1: Understand Prison administration ☐

CO 2: Prisoners facilities and Problems ☐

CO 3: Understand the functions of Juvenile Rehabilitation centers ☐

CO 4: Understand the powers and functions of JJB and CWC ☐

List of the Experiments/ Institution visits.

1. Visit to Police station
2. Visit to District Police/Sub Division Office
3. Visit to Bell of Arms
4. Visit to Police Dog Squad
5. Visit to Judicial Magistrate of First Class (JMFC) court to observe and record the trial proceedings.
6. Visit to Family Court to observe and record the trial proceedings.
7. Visit to Sessions courts – to observe and record the trial proceedings.
8. Visit and study the overview of Prison as a correctional institution.
9. Study the various facilities, reformatory measures, training and rehabilitation process in correctional institution
10. Visit and study the functions and powers of Juvenile Justice Board
11. Visit and study the functions and powers of Child Welfare Committee
12. Visit and study the aftercare services
13. NGOs working toward reformation, rehabilitation and resocialization of inmates.

Instruction:

Course Teacher and HOD/ Coordinator/ Principal certified practical record book is mandatory for appearing semester end practical examinations

Formative and Summative examination pattern

Internal tests	10 marks
Viva –Voce	05 marks
Practical/ Visits Book	05 marks
Experiment/ institutes visits based questions	30 marks
Total	10+ 40 = 50 marks

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208
nachdem ich mich
auf dem Wege
zum See befand
und die Sonne
schon tief
unter dem Horizont
stand.

Die Landschaft
war sehr schön
und ich habe
mich sehr
genossen.

B.A./B.Sc Semester-IV

Elective Paper

Course Title:- CRIME SCENE MANAGEMENT

Course Code:- CFSC9T

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No.of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
Elective	Theory	02	02	32 hrs.	2 hrs.	10	40	50

Course Outcomes (COs): At the end of the course, students will be able to:

- 1 . Know the importance of the Crime Scene
2. Understand the value of physical evidence
3. Understand the different types of Crime scene search methods.
4. Know about handling the evidence

Unit	Course Title: CRIME SCENE MANAGEMENT	32 hrs/sem
Unit I	CRIME SCENE MANAGEMENT Introduction to Crime scene investigation, Types of Crime scene, Locard's Exchange Principle, Expert Team composition, Methodological Approach to processing the Crime scene, Sketching and mapping, Role of First responding Officer.	08 hrs
Unit II	PROCESSING A CRIME SCENE History and Development of Forensic Science, Basic Principles of Forensic Science, Organizational structure of Forensic Science Laboratories at State and Central level, White Collar crime, Organized Crimes, Economic crimes, Cybercrimes, Crime against children and Women.	08 hrs
Unit III	SEARCHING THE CRIME SCENE Types of Searches, Zone Search: Ever Widening, Circle Strip Search, and Grid Search, Indoor searches and outdoor searches, searching of patterns and marks, Collection.	08 hrs

Unit IV	COLLECTION AND PACKAGING OF EVIDENCE: PHYSICAL EVIDENCE Collection, Packaging and Forwarding of different types of evidence to the laboratories, Techniques for Handling Evidence, Biological Evidence, Impression Evidence, Firearms and Ballistic Evidence, Drug Evidence, and Toxicological Evidences.	08 hrs
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References :

1. Robinson E. M. (2016). *Crime Scene Photography*. Academic Press.
2. Gardner R. M. and Krouskup D. (2018), *Practical Crime Scene Processing and Investigation*, 3rd edn, Boca Raton CRC Press.
3. Fisher B. A. and Fisher D. R. (2022). *Techniques of Crime Scene Investigation*, Boca Raton CRC Press.
4. Duncan C. D. (2023). *Advanced Crime Scene Photography*, 3rd edn, Boca Raton CRC Press.
5. Wagner, Scott. (2009). *Death Scene Investigation: a field guide*, Boca Raton CRC Press/Taylor & Francis.
6. Sharma, B R. (2014). *Forensic Science in Criminal Investigation and trials*, New Delhi, India: Universal Law Publishing Co. Pvt. Ltd.
7. Nabar, B. S. (2003). *Forensic Science in Crime Investigation*, Hyderabad, India: Asia Law House Hyderabad.
8. James S. H., Nordby J. J and Bell S. (2014). *Forensic science: An Introduction to Scientific and Investigative Techniques*, Boca Raton CRC Press/Taylor & Francis.
9. Krishnamurthy, R. (2011). *Introduction to Forensic Science in Crime Investigation*, India: Selective & Scientific Books.
10. Sutton R., Trueman K. and Moran C. (2016). *Crime Scene Management: Scene Specific Methods*, John Wiley & Sons.

Formative Assessment for Theory	
Assessment Occasion/type	Marks
InternalAssessmentTest1	05
Assignment	05
Total	10Marks
<i>Formative Assessment as per guidelines.</i>	