

Bachelor of Science in Forensic Science [3 Years Regular/4 Years (Honours/Honours with Research)]	
Faculty of Applied Sciences	
Parul University	
Teaching and Examination Scheme for Batch 2023-24	
(NOTE:A credit is a unit by which the coursework is measured. It determines the number of hours of instruction required per week over the duration of a semester (Minimum 15 weeks/90 days)	
1. 1 Theory Credit = 15 hours of academic activity engagement in a semester	
2. 1 Credit of (Practical/Internship/workshop-based activity/ Self-Learning-Online/Offline) = 30 Hours of engagement in a semester	
3. 1 Credit of Experiential learning (Field Visit/ Industry Visit)/ Assignments = 40-45 hours of engagement in a semester.	
4. Research Project/Dissertation: Entire Seventh & Eighth Semesters (12 Credits)	
Bachelor of Science in Forensic Science with Minor in: -	
1. Chemistry	
2. Information Technology	
3. Life Sciences	
4. Physics	
5. Psychology	

Semester 1

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
4.5		Major (Discipline Specific Course)												
	11010701DS01	Introduction to Forensic Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010701DS02	Computer Application and cyber crime	2	2	-	-	20	-	20	60	-	40	-	100
	11010701DS03	Basics of Forensic Biological Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010701DS04	FS Lab-I- Basics of Forensic Biological Science	2	-	3	-	-	20	-	-	30	-	25	50
		Minor -1 / Interdisciplinary Course (Select any one)												
	11010501CH01	Chemistry: Basics of chemistry	2	2	-	-	20	-	20	60	-	40	-	100
	11010501CH02	Chemistry: Lab Basics of chemistry)	2	-	3	-	-	20	-	-	30	-	25	50
	03010801IT01	Information Technology: Introduction to IT Fundamentals	2	2	-	-	20	-	20	60	-	40	-	100
	03010801IT02	Information Technology: LAB- IT Fundamentals	2	-	3	-	-	20	-	-	30	-	25	50
	11011201LS01	Life Science: Cell Biology	4	4	-	-	20	-	20	60	-	40	-	100
	11010401PH01	Physics: Basic Physics	2	2	-	-	20	-	20	60	-	40	-	100
	11010401PH02	Physics: Lab Basic Physics	2	-	3	-	-	20	-	-	30	-	25	50
	15010401PG01	Psychology: Psychology-I	4	4	-	-	20	-	20	60	-	40	-	100
		University Electives -1 (Multidisciplinary course) (Select any one)												
	18010201UE01	Basic Photography	4	2	4	-	20	20	20	60	30	40	25	150
	03010901UE01	Introduction to MATLAB Programming		3	2	-	20	20	20	60	30	40	25	150
	05010101UE01	Office Automation		3	2	-	20	20	20	60	30	40	25	150
	09010101UE01	First Aid and Life Support		4	-	-	20	-	20	60	-	40	-	100
		Skill Enhancement Course -1												
	11010701SE01	Forensic psychology: witness investigation	2	2	-	-	20	-	20	60	-	40	-	100
		Value Added Course-1												
	11011401VA01	Climate Change & Sustainable Environment	2	2	-	-	20		20	60	-	40	-	100

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Semester 2

[illegible]

[illegible]

Semester 3

[illegible]

Semester 4

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
5.0		Major (Discipline Specific Course)												
	11010704DS01	Forensic Anthropology & Odontology	2	2	-	-	20	-	20	60	-	40	-	100
	11010704DS02	Criminology, Criminal Law and Police Organization	3	3	-	-	20	-	20	60	-	40	-	100
	11010704DS03	Questioned Document & Fraud Investigation	3	3	-	-	20	-	20	60	-	40	-	100
	11010704DS04	Lab-I Forensic Anthropology & Odontology	2	-	4	-	-	20	-	-	30	-	25	50
	11010704DS05	Lab-II Questioned Document & Fraud Investigation	2	-	4	-	-	20	-	-	30	-	25	50
		Minor -3/ Interdisciplinary Course (Select any one)												
	11010504CH01	Chemistry: Basics of inorganic chemistry	2	2	-	-	20	-	20	60	-	40	-	100
	11010504CH02	Chemistry: Lab Basics of inorganic chemistry	2	-	3	-	-	20	-	-	30	-	25	50
	03010804IT01	Information Technology: Fundamental of Operating Systems	2	2	-	-	20	-	20	60	-	40	-	100
	03010804IT02	Information Technology: LAB- Fundamental of Operating Systems	2	-	3	-	-	20	-	-	30	-	25	50
	11010404PH01	Physics: Electronics	2	2	-	-	20	-	20	60	-	40	-	100
	11010404PH02	Physics: Lab Electronics	2	-	4	-	-	20	-	-	30	-	25	50
	11011204LS01	Life Science: Fundamentals of Biomolecules	2	2	-	-	20	-	20	60	-	40	-	100
	11011204LS02	Life Science: LAB - Fundamentals of Biomolecules	2	-	4	-	-	20	-	-	30	-	25	50
	15010404PG01	Psychology: Social Psychology	4	4	-	-	20	-	20	60	-	40	-	100

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Semester 5

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
5.5		Major (Discipline Specific Course)												
	11010705DS01	Forensic Toxicology and Pharmacology	3	3	-	-	20	-	20	60	-	40	-	100
	11010705DS02	Forensic Serology	3	3	-	-	20	-	20	60	-	40	-	100
	11010705DS03	Instrumentation in Forensic Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010705DS04	Lab-I Forensic Toxicology & IT	2	-	4	-	-	20	-	-	30	-	25	50
	11010705DS05	Lab-II Forensic Serology & IT	2	-	4	-	-	20	-	-	30	-	25	50
		Minor -4 / Interdisciplinary Course (Select any one)												
	11010505CH01	Chemistry: Basics of Physical chemistry	2	2	-	-	20	-	20	60	-	40	-	100
	11010505CH02	Chemistry: Lab (Basics of Physical chemistry)	2	-	4	-	-	20	-	-	30	-	25	50
	03010805IT01	Information Technology: Introduction to Cyber Security	2	2	-	-	20	-	20	60	-	40	-	100
	03010805IT02	Information Technology: LAB-Security and Cybersecurity	2	-	4	-	-	20	-	-	30	-	25	50
	11010405PH01	Physics: Mathematical Physics	2	2	-	-	20	-	20	60	-	40	-	100
	11010405PH02	Physics: Lab Mathematical Physics	2	-	4	-	-	20	-	-	30	-	25	50
	11011205LS01	Life Science: Information Pathway	2	2	-	-	20	-	20	60	-	40	-	100
	11011205LS02	Life Science: LAB - Information Pathway	2	-	4	-	-	20	-	-	30	-	25	50
	11010505PG01	Psychology: Industrial Psychology	4.	4	-	-	20	-	20	60	-	40	-	100
		Minor -5/ Interdisciplinary Course (Select any one)												
	11010505CH03	Chemistry: Applied chemisrty	3	3	-	-	20	-	20	60	-	40	-	100

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Semester 6

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
5.5		Major (Discipline Specific Course)												
	11010706DS01	Forensic Ballistics & Explosives	3	3	-	-	20	-	20	60	-	40	-	100
	11010706DS02	Forensic Psychology	2	2	-	-	20	-	20	60	-	40	-	100
	11010706DS03	Forensic Medicine & Entomology	2	2	-	-	20	-	20	60	-	40	-	100
	11010706DS04	Digital & Cyber Forensic	2	2	-	-	20	-	20	60	-	40	-	100
	11010706DS05	Lab- I Forensic Ballistics & Forensic Medicine	2	-	4	-	-	20	-	-	30	-	25	50
	11010706DS06	Lab- II Digital & Cyber Forensic	1	-	2	-	-	20	-	-	30	-	25	50
		Minor -6/ Interdisciplinary Course (Select any one)												
	11010506CH01	Chemistry: Basics of Analytical chemistry	4	4	-	-	20	-	20	60	-	40	-	100
	03010806IT01	Information Technology: Fundamentals of Web application	2	2	-	-	20	-	20	60	-	40	-	100
	03010806IT02	Information Technology: LAB- Fundamentals of Web application	2	-	4	-	-	20	-	-	30	-	25	50
	11010406PH01	Physics: Modern Physics	2	2	-	-	20	-	20	60	-	40	-	100
	11010406PH02	Physics: Lab Modern Physics	2	-	4	-	-	20	-	-	30	-	25	50
	11011206LS01	Life Science: Molecular Forensics	2	2	-	-	20	-	20	60	-	40	-	100
	11011206LS02	Life Science: LAB - Molecular Forensics	2	-	4	-	-	20	-	-	30	-	25	50
	15010406PG01	Psychology: Psychology of Personality	4	4	-	-	20	-	20	60	-	40	-	100
		Ability Enhancement Course -5												
	00019306AE01	Professional Ethics and Communication	2	2	-	-	-	-	100	-	-	40	-	100
	11010706IN01	Internship/Mini Project-1 (in Major Specific Course)	4	-	-	-	-	40	-	-	60	-	50	100
		Total	22											

Internship Guidelines: 30 days (120 Hrs.)

Semester 7

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
6.0		Major (Discipline Specific Course)												
	11010707DS01	Advance in Forensic Biological Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010707DS02	Advance in Forensic Chemical Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010707DS03	Advances in Forensic Physical Science	2	2	-	-	20	-	20	60	-	40	-	100
	11010707DS04	Lab-I Advances Forensic Biological Sciences	2	-	4	-	-	20	-	-	30	-	25	50
	11010707DS05	Lab-II Advance in Forensic Chemical Science	2	-	4	-	-	20	-	-	30	-	25	50
	11010707DS06	Lab-III Advance in Forensic Physical Science	2	-	4	-	-	20	-	-	30	-	25	50
		Minor -7 / Interdisciplinary Course (Select any one)												
	11010507CH01	Chemistry: Nanomaterial chemistry	4	4	-	-	20	-	20	60	-	40	-	100
	03010807IT01	Information Technology: Security monitoring	2	2	-	-	20	-	20	60	-	40	-	100
	03010807IT02	Information Technology: LAB-Security monitoring	2	-	4	-	-	20	-	-	30	-	25	50
	11010407PH01	Physics: Thermodynamics and Statistical Physics	4	4	-	-	20	-	20	60	-	40	-	100
	11011207LS01	Life Science: Analytical Tools & Techniques	2	2	-	-	20	-	20	60	-	40	-	100
	11011207LS02	Life Science: LAB-Analytical Tools & Techniques	2	-	4	-	-	20	-	-	30	-	25	50
	15010407PG01	Psychology: Psychological Disorders	4	4	-	-	20	-	20	60	-	40	-	100

11010707IN01	On Job Training (OJT)- in Major Specific (for Honours Degree)	6	-	12	-	-	60	-	-	90	-	75	150
	OR												
11010707RP01	Research Project in Major Specific course (For Honours with Research degree)	6	-	12	-	-	60	-	-	90	-	75	150
	Total	22											

Research Project Guidelines:

Advanced – level disciplinary/interdisciplinary courses related to topic selection and research methodology and initial stage of research will be conducted like: determining the definition of the information needed, determining the methods of collection of qualitative and quantitative data, conducting secondary data analysis etc.

On-the-Job Training Guidelines: 45 days (180 Hrs.)

Semester 8

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
6.0		Major (Discipline Specific Course)												
	11010708DS01	Advancement in Digital Computer Forensic	4	4	-	-	20	-	20	60	-	40	-	100
	11010708DS02	Legal and Ethical Issues in Cyber security & DigitalForensics	2	2	-	-	20	-	20	60	-	40	-	100
	11010708DS03	Advanced Data Carving Techniques	4	4	-	-	20	-	20	60	-	40	-	100
	11010708DS04	Lab I Computer Forensic	2	-	3	-	-	20	-	-	30	-	25	50
		Minor -8 / Interdisciplinary Course (Select any one)												
	11010508CH01	Chemistry - Advanced analytical techniques	4	4	-	-	20	-	20	60	-	40	-	100
	03010808IT01	Information Technology - Introduction of Dark web & block chain	2	2	-	-	20	-	20	60	-	40	-	100
	03010808IT02	Information Technology - LAB- Introduction of Dark web & block chain	2	-	3	-	-	20	-	-	30	-	25	50
	11010408PH01	Physics - Experimental Techniques	4	4	-	-	20	-	20	60	-	40	-	100
	11011208LS01	Life Science - Genetic Engineering	2	2	-	-	20	-	20	60	-	40	-	100
	11011208LS02	Life Science - LAB - Genetic Engineering	2	-	3	-	-	20	-	-	30	-	25	50
	15010408PG01	Psychology - Guidance and Counselling	4	4	-	-	20	-	20	60	-	40	-	100
	11010708IN01	On Job Training (OJT) - in Major Specific (for Honours Degree)	6	-	12	-	-	60	-	-	90	-	75	150

		OR												
	11010708RP01	Research Project in Major Specific course (For Honours with Research degree)	6	-	12	-		60	-	-	90	-	75	150
		Total	22											

Research Project Guidelines:

The final semester will be devoted to seminar presentation, preparation, and submission of research project report/dissertation. The project work/dissertation will be on a topic in the disciplinary programme of study or an interdisciplinary topic.

On-the-Job Training Guidelines: 45 days (180 Hrs.)

Note: Course Curriculum from 4th Semester up to 8th semester may undergo revision. Any revision to this effect will be uploaded on the University Website. Students are requested to visit the University Website for any updates related to the revision in the course curriculum or shall contact Dean/HoI/Hod for the same.