

**DEPARTMENT OF LAW
SAURASHTRA UNIVERSITY,
RAJKOT**



[Accredited Grade "A"]
By NAAC

FACULTY OF LAW

**PG DIPLOMA IN FORENSIC
SCIENCE**

**Syllabus [Non-cbcs]
Effective From June - 2016**

**Saurashtra University
University Campus, Rajkot – 360 005
Gujarat , India.**

Website : www.saurashtrauniversity.edu

Saurashtra University
Faculty of Law
DIPLOMA IN FORENSIC SCIENCE
IN FORCE FROM JUNE, 2016
Ordinances and Regulations

O.D.F.S.1. Candidate shall be admitted to the course should have passed a bachelor's degree examination having three years duration from this university or any other recognized university.

O.D.F.S.2. The Diploma Course is a regular full time of one year duration consisting of two academic terms.

O.D.F.S.3. The admitted candidate can not join any other course of study without prior permission of the university.

O.D.F.S.4. The Medium of instruction & Examination shall be English, Hindi or Gujarati as the case may be which will not be changed during the entire Diploma programme.

O.D.F.S.5. Admission granted by the affiliated college/institute to any student shall be provisional till the enrollment/registration/enlistment is made by the University & in case the admission is granted on the bases of provisional eligibility certificate, the conditions & instruction given by the University should be complied within the time limit fixed by the University or latest by the beginning of next semester otherwise term kept by the such a student will be cancelled and no fees on any account will be refunded.

O.D.F.S.6. Every affiliated college or institution shall have to take appropriate measures against ragging & gender problems in the college/institution. The word college/institution included college building, sports complex, Hostels and such other components which are within the purview of the college. In case of occurrence of any such incident the violator shall be dealt with very seriously and appropriate stringent action be taken by the principal of the college observing principle of natural justice. The head of college may appoint a committee to inquire in to the matter which will also observe the principle of natural justice. The committee will submit its report to the Head of college who may take further necessary action in the matter.

Regulation's:

R.D.F.S.1. The Teaching and examination scheme shall be as under

Semester - 1

Sr.	Name	of	Mini.	Passing	Mini.	Passing	Minimum	Max.	Exam.
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	Subject	Marks Internal Total 40	Marks External Total 60	passing marks	Marks	Hours
1.	Forensic Science	16	24	50	100	Two Hours

Semester – 2

Sr.	Name of Subject	Mini. Passing Marks Internal Total 75	Mini. Passing Marks Viva (External) Total 25	Total 100	Minimum aggregate for passing	Exam. Hours
1.	Project	30	10	-	50	Half Hour

R.D.F.S.2. Candidates must forward their application for admission to university examination to the Registrar on or before the prescribed date with a certificate of attendance duly signed by the principal along with the examination fees prescribed by the University.

R.D.F.S.3.(1) Minimum passing standard 50%. (2) Candidate securing 50% to 64% marks will be awarded second class. (3) Candidate securing 66% or more marks in the examination will be awarded first class.

R.D.F.S.4

Candidate who remain absent in viva shall be declared fail in the examination.

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Annexure "B"

Saurashtra University, Rajkot

Structure to be prepared in the Beginning of the Syllabus for All Semester / Year

PG. Diploma in Forensic Science Programme – 2016

Semester – 1

No.	Course Code	Course Title	C	IM	EM	TM
1.	1604030005010100	Forensic Science	6	40	60	100

C = Credits

IM=Internal Marks

EM=External Marks

TM=Total Marks

CCT=Core Course

SO=Sill Oriented Course

ICT=Interdisciplinary Course

SS=Self Study Course

DP=Dissertation / Project Work
ECT=Elective Course

Annexure "B"

Saurashtra University, Rajkot

Structure to be prepared in the Beginning of the Syllabus for All Semester / Year

PG. Diploma in Forensic Science Programme – 2016

Semester – 2

No.	Course Code	Course Title	C	IM	EM	TM
1.	1604030005020100	Project	6	75	25	100

C = Credits
IM=Internal Marks
EM=External Marks
TM=Total Marks

CCT=Core Course
SO=Sill Oriented Course
ICT=Interdisciplinary Course
SS=Self Study Course
DP=Dissertation / Project Work
ECT=Elective Course

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PG DIPLOMA IN FORENSIC SCIENCE (Revised w.e.f. June-2016)

Faculty of Law

Name of Course	Semester	Core/Elective/Allied/Practical/Project	Course/Paper Code	Course/Paper Title	Credit	Internal Marks	External Marks	Practical / Viva Exam Marks	External Exam Time Duration
PGDFS	1	Core	1604030005010100	Forensic Science	6	40	60	-	Two Hours

FORENSIC SCIENCE

[Multi-disciplinary]

Course Objectives:

- Crime in the society is as old as human race.
- With the advancement of science and technology types and methods of crime have undergone a radical change.
- Intelligent criminal has been quick to exploit science and technology for commission of crime.
- Present scenario of criminal justice system is sad
- Large percentage of criminals goes scot free These frequent acquittals not only waste the huge amount of public money and precious time but embolden the criminals, escalate crime and multiply criminals.
- Now a days old techniques of criminal investigation has become obsolete
- Use of third degree does not find favour with the new generation of administrators, judges and the public at large.
- Forensic Science has proved a very useful tool for identification the crime, criminal and victim.
- The syllabus is designed to make aware the students of this new science and technology.

Course Contents:

Unit - 1. Principles & Perspectives.

- 1.1. Need.
- 1.2. Function.
- 1.3. Development.
- 1.4. Principles.
- 1.5. Tools & Techniques.
- 1.6. Problems of Proof.

Unit - 2. The Forensic Psychology.

- 2.1. Importance.
- 2.2. Nature.
- 2.3. Classification.
- 2.4. Collection of Evidence.
- 2.5. Hypnosis.
- 2.6. Truth Serum.
- 2.7. Brain Printing.
- 2.8. Case Law.

Unit – 3 Road Accidents.

- 3.1. Scientific investigation and evaluation of clue, materials, Arson
- 3.2. Scientific investigation and evaluation of materials trace
Analysis.
- 3.3. Nature, Location, Collection and evaluation of trace materials.

Unit – 4 Nature, Identification, Classification, Collection, Location of Narcotics clue materials.

- 4..1. Opium, Morphine, Heroin, Pathadin, Barbiturates.
- 4.2. Cocaine, Amphetmines, Methaquion.
- 4.3. Cannabis, LSD, DMT.
- 4.4. Alcohol and Alcoholic Beverages.

Unit - 5. Nature, Classification and mode of action of poison their symptoms, fatal dozes etc.

- 5.1. Sodium hydroxide, Ammonium Hydroxide and Potassium hydroxide.
- 5.2. Mercury, Arsenic, Lead, Copper, Zinc.
- 5.3. Sulphuric acid, Nitric Acid, Hydrochloric acid.
- 5.4. Phenol, Phosphorous, Chlorine, Iodine.
- 5.5. Castor oilseed, Cotton seeds, Datura, Oleander seed, Abrus precatorius seeds.
- 5.6. Barbiturates, Opium, charas, Ethyl alcohol, methyl alcohol, Chloroforms, ether, Snake Venom, DDT, Endrin, Dieldrin, Aldrin, B.H.C. (Gamma-xene, Parathion, Malathion and Diazinon).

Unit - 6. Micro traces.

- 6.1. Importance.
- 6.2. Nature.
- 6.3. Location.
- 6.4. Collection.
- 6.5. Forensic Problems.
- 6.6. Individual Micro traces.
 - 6.6.1. Plant material.
Wood, Leaves, Flowers, Seeds, Starch.
 - 6.6.2. Dusts.
 - 6.6.3. Soils, Glass.
 - 6.6.4. Biological Materials.
Hair & Fibre, Blood, Semen & other body fluids

(Saliva, Urine, Faeces, Sweat, Nasal secretions, Tears)

Unit – 7 Elementary Forensic Medicine.

- 7.1.** Investigation of death.
- 7.2.** Injuries.
- 7.3.** Age determination of living person.
- 7.4.** Insanity

Unit – 8 Evaluation of skeletal remains formage, height, sex, time of death, mode of death, and identification including skull and site marks.

Unit – 9 Finger Prints & Foot Prints and Hand writings & Documents Marks and Scratches.

Unit – 10 Alcohol and Drivers.

Nature, Location, Preservation, Collection, Identification, Comparison, Recording, etc.

Book Recommended :

Sharma B.R. : Forensic Science.

Faculty of Law

Name of Course	Semester	Core/Elective/Allied/Practical/Project	Course/Paper Code	Course/Paper Title	Credit	Internal Marks	External Marks	Practical / Viva Exam Marks	External (Viva) Exam Time Duration
PGDFS	2	Core	1604030005020100	Project	6	00	75	25	Half Hours

Project

- 100

Course Objectives :

- To make the students aware of practical problems.
- To create in students his or her creative potential.
- To stimulate the students to deal with the practical problems.
- To use the theoretical knowledge in practical life.

Course Content :

In project students shall have to take the practical training in an institution and shall submit the report for the same / or conduct empirical research and prepare a report.

PGDFS - 2016

Semester - 01

નં.	સબજેક્ટ	કોર્ષ કોડ વર્ષ	ફેકલ્ટી લો	વિષય	કોર્ષ ગ્રુપ	લેવલ	સેમેસ્ટર	પેપર નંબર	વિકલ્પ
		16	04	કોર - 01 ઇલેક્ટીવ - 02		યુજી - 01			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.

૧.	Forensic Science	16	04	03	00	05	01	01	00
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PGDFS - 2016

Semester - 02

નં.	સબઝેક્ટ	કોર્ષ કોડ વર્ષ	ફેકલ્ટી લો	વિષય કોર - 01 ઇલેક્ટીવ - 02	કોર્ષ ગ્રુપ	લેવલ યુજી - 01	સેમેસ્ટર	પેપર નંબર	વિકલ્પ
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
૧.	Project	16	04	03	00	05	02	01	00

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