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


**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**

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of Subject</th>
<th>Mini. Passing Marks</th>
<th>Max. Marks</th>
<th>Exam. Hours</th>
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<tr>
<td></td>
<td></td>
<td>Internal Total 40</td>
<td>External Total 60</td>
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<tr>
<td>1.</td>
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<td>24</td>
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**Semester – 2**

<table>
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<th>Sr.</th>
<th>Name of Subject</th>
<th>Mini. Passing Marks Internal Total 75</th>
<th>Mini. Passing Marks Viva (External) Total 25</th>
<th>Total 100</th>
<th>Minimum aggregate for passing</th>
<th>Exam. Hours</th>
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<tbody>
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<td>30</td>
<td>10</td>
<td>-</td>
<td>50</td>
<td>Half Hour</td>
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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) Candidate securing 50% marks will be awarded second class. (2) 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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### Semester – 1

<table>
<thead>
<tr>
<th>No.</th>
<th>Course Code</th>
<th>Course Title</th>
<th>C</th>
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<th>TM</th>
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<td>Forensic Science</td>
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<td>70</td>
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</table>

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

### Semester – 2

<table>
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<th>TM</th>
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<td>Project</td>
<td>6</td>
<td>75</td>
<td>25</td>
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PG DIPLOMA IN FORENSIC SCIENCE  
(Revised w.e.f. June-2016) 

Faculty of Law

<table>
<thead>
<tr>
<th>Name of Course</th>
<th>Semester</th>
<th>Core/Elective/Allied/Practical/Project</th>
<th>Course/Paper Code</th>
<th>Course/Paper Title</th>
<th>Credit</th>
<th>Internal Marks</th>
<th>External Marks</th>
<th>Practical/Viva Exam Marks</th>
<th>External Exam Time Duration</th>
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<td>1</td>
<td>Core</td>
<td>1604030005010100</td>
<td>Forensic Science</td>
<td>6</td>
<td>40</td>
<td>60</td>
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<td>Two Hours</td>
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**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.

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

4.1. Opium, Morphine, Heroin, Pathadin, Barbiturates.
4.2. Cocaine, Amphetamines, Methaquinion.
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. Sodim hydroxide, Annonium Hydroxide and Potassium hydroxide.
5.2. Mercury, Arsenic, Lead, Copper, Zink.
5.3. Sulphuric acid, Nitric Acid, Hydrochloric acid.
5.4. Phenol, Phosphorous, Chlorine, Iodine.
5.5. Castor oilseed, Cotton seeds, Dhatura, Oleander seed, Abrus precatitions seeds.
Unit - 6. **Micro traces.**

6.1. Importance.
6.3. Location.
6.4. Collection.
6.5. Forensic Problems.
   6.6.1. Plant material.
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:**


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<td>75</td>
<td>25</td>
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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.

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### PGDFS - 2016

**Semester - 01**

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<th>No.</th>
<th>Subject</th>
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**Semester - 02**

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