

. FACULTY OF PHYSICAL SCIENCES

9.1 DEPARTMENT OF CHEMISTRY

FACULTY

Professor

- | | |
|-----------------------------|--------------------|
| 1. Raman K. Verma, Ph.D. | Head |
| 2. Ashok Kumar Malik, Ph.D. | |
| 3. Baldev Singh, Ph.D. | Re-employed |
| 4. Balbir Kaur, Ph.D. | Re-employed |

Associate Professors

1. Baljit Singh, Ph.D.
2. Mohd. Yusuf, Ph.D.

Assistant Professors

1. Jaspreet Singh, Ph.D.
2. Jatinder Singh Aulakh, Ph.D
3. Manisha Bansal, Ph.D.
4. Harpreet Kaur, Ph.D.
5. Poonam Patyar, Ph.D.
6. Sushila Rani, Ph.D **(Adhoc)**

COURSES

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|--|---|
| 1. M.Sc. Chemistry (2 years) | Students Intake: 60 (1/3 seats each in Physical, Organic & Inorganic Chemistry) |
| Pre-requisite: B.Sc. with Chemistry or B.Sc. (Hons. School) in Chemistry | |
| Career Options: Teaching, Research and Industry. | |
| 2. M.Phil (1½ years) | Students Intake: 15 |
| Pre-requisite: M.Sc. in respective dicipline (5 seats each in Physical, Organic & Inorganic Chemistry) | |

Phone No. 0175-304-6409 (H)

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Email: headchemistrypup@gmail.com

About the Department- The Department of Chemistry is one of the first three departments which started functioning with the inception of Punjabi University in 1963. The Ministry of Environment, Government of India, has recognized the Department of Chemistry as the centre for the pollution control and environmental analysis. At present, the Department is offering Organic, Inorganic and Physical Chemistry specializations to M.Sc. and M.Phil. students. The Department has been awarded SAP DRS-II (2014-2019) and FIST (2009-2014) assistance by UGC and DST, New Delhi, respectively. The Department has a well established Instrumentation Lab. Equipped with GC-MS, CHNS Analyzer, IR, UV-Visible and Fluorescence spectrophotometer. Very soon FTIR, TGADTA, HPLC and Flash Chromatography systems will be installed under SAP: DRS-II assistance. Apart from teaching assignments the faculty of the department is engaged in many Governments and Industrial sponsored major research projects.

9.3 DEPARTMENT OF FORENSIC SCIENCE

FACULTY

Professors

1. O.P. Jasuja, Ph.D.
2. Rakesh Mohan Sharma, Ph.D.
3. Mukesh Kumar, Ph.D.
4. R.K. Garg, Ph.D.

Re-employed

Associate Professors

1. Komal Saini, Ph.D.
2. Rajinder Singh, Ph.D.

Head

COURSES

1. M.Sc. Forensic Science (2 years)

Student Intake: 21

Pre-requisite: B.Sc. with Chemistry as one of the major subjects for all the three years and any two of the following subjects: Anthropology/ Biochemistry/ Biotechnology / Botany/ Genetics/ Mathematics/ Microbiology/ Molecular Biology/ Physics/ Statistics/ Zoology/ MBBS/ BDS/ B.Pharm./ B.Sc.(Forensic Science)

Career Options: Teaching, Research, Police, Forensic Laboratories, Consultancy.

2. PG Diploma in Forensic Odontology (One Year Evening Course)

Student Intake: 25

Pre-requisite: A candidate seeking admission to course shall have passed BDS/MDs from a DCI recognized Dental College/University and minimum of 50% of marks in the qualifying examination.

Note: There will be two additional seats for employees of various Forensic Science Laboratories in the country. Only state-sponsored candidates will be considered for admission and employees of Punjab state will be given preference.

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9.4 DEPARTMENT OF GEOGRAPHY

FACULTY

Professor

1. Gurinder Kaur, Ph.D
2. Yadvinder Singh, Ph.D.

**Re employed
Head**

Assistant Professors

1. Baljit Kaur, Ph. D.
2. Apperdeep Kaur, M.Sc.
3. Shivjeet Kaur, Ph.d.

COURSES

1. M. Sc. Geography (2 years)

Student Intake: 37

Pre-requisite: B.A. /B.Sc. with Geography.

Career Options: 1. Teaching, Research in Geography.

2. Professional expertise in Remote Sensing & GIS by going in for degree or diploma course in Geoinformatics.

3. Students stand eligible to undertake professional courses like town & country planning.

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9.5 DEPARTMENT OF MATHEMATICS

FACULTY

Professors

1. R.K. Nagaich, Ph.D.
2. Satayabir Singh, Ph.D.

Associate Professors

1. Navpreet Singh Noori, Ph.D. **Head**

Assistant Professors

1. Shalini Gupta, Ph.D.
2. Shally Arora, Ph.D.
3. Rajni Bala, M. Sc.
4. Arjan Singh, Ph.D.
5. Mukhdeep Singh Manshahia, Ph.D.
6. Jasleen Kaur, Ph.D.
7. Deepak Kumar, Ph.D.
8. Rupali, M.Sc., M.Phil.
9. Sharandeep Singh, M.Sc. (Contract)
10. Dev Prakash Singh, Ph.D (Adhoc)

COURSES

1. Master of Mathematics (2 years) Pre-requisite: B.A./B.Sc. with Mathematics or Hons. in Mathematics Career Options: Teaching, Research.	Student Intake: 59
2. M.Sc. Applied Mathematics and Computing (2 years) Pre-requisite: B.A./B.Sc. with Mathematics or Hons. in Mathematics Career Options: Teaching, Research & Industry. Weightage: 10% Weightage will be given for above (1 & 2) courses to those students who have passed B.Sc. (Hon's in Mathematics), B.Sc. (MCM) and B.Sc. (Mathematics and Computing) from Punjabi University, Patiala.	Student Intake: 20
3. B.Sc. Mathematics and Computing (3 years) Pre-requisite: 10+2 with Mathematics Career Options: Computer and Management Industry, Teaching, Research.	Student Intake: 30
4. B.Sc. Honours in Mathematics (3 years) Pre-requisite: 10+2 with Mathematics Career Options: Teaching, Research & Industry.	Student Intake: 30

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0175-304-6188 (O)

9.6 DEPARTMENT OF PHYSICS

FACULTY

Professor Emeritus

B.S. Sood, Ph.D.

Professors

1. Balvir Singh Sandhu, Ph.D.	Head
2. Parjit Shamsher Singh, Ph.D.	
3. Vijay Kumar Mittal, Ph.D.	<i>Re-employed</i>
4. Harbhajan Singh Bhatti, Ph.D.	<i>Re-employed</i>
5. Darshan Singh, Ph.D.	<i>Re-employed</i>
6. Raj Mittal, Ph.D.	<i>Re-employed</i>
7. Bhajan Singh, Ph.D.	<i>Re-employed</i>
8. Gurmel Singh, Ph.D.	<i>Re-employed</i>
9. Paramjit Singh Goraya, Ph.D.	<i>Re-employed</i>

Assistant Professors

1. Vinayak Garg, Ph.D.
2. Supreet Pal Singh, Ph.D.
3. Karamjeet Singh Dhaliwal, Ph.D.
4. Maninder Kaur, M.Sc.
5. Babita Rani, M.Sc.
6. Gurjeet Singh, Ph.D.
7. Jaspal Singh, Ph.D.
8. Jaskaran Singh, M.Sc., U.G.C. (NET).

COURSES

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|--|--------------------|
| 1. M.Sc. Physics (2 years) | Student Intake: 50 |
| 2. M.Sc. Applied Physics (2 years) | Student Intake: 50 |
| 3. M.Sc. Astronomy and Space Physics (2 years) | Student Intake: 25 |
| 4. M.Sc. Physics (Nano Science & Technology) (2 year) | Student Intake: 25 |
| Pre-requisite for all M.Sc.: | |
| B. Sc. with Physics and Mathematics, the third subject may be any other, Chemistry/Computer Science/Electronics/Computer Maintenance/Space Science/Statistics etc. | |
| or | |
| B. Sc. (Hons. in Physics) | |
| Career Options: Teaching, Research and Industry. | |
| 5. Post M.Sc. Diploma in Space Science (1 year) | Student Intake: 25 |
| Pre-requisite: M.Sc Physics or M.Sc. Applied Physics or M.Sc. Astronomy and Space Physics. | |

Phone No. 0175-304-6163 (H)

0175-304-6164 (O)

About the Department: Physics department has presently status of CAS (Center of Advanced Study) Phase-II under UGC SAP (Special Assistance Programme) assistance with Radiation Physics and Material Science as thrust areas. This status to the department is granted upon successful completion of various phases (DRS, COSIST, DSA and CAS Phase-I) of UGC SAP Programmes. The research contribution of department in Nuclear Radiation Physics and Applications is well recognized both at National and International levels. The staff has attracted funds to the tune of over Rs. 4.5 crores during the past 7 years from various National funding agencies.

9.7 DEPARTMENT OF STATISTICS

FACULTY

Professors

1. Mukesh Kumar Sharma, Ph.D.
2. P.C. Garg, Ph.D.
3. Davinder Kumar, Ph.D.
4. H.S. Jhajj, Ph.D.

Re-employed

Associate Professor

1. Upasana Sharma, Ph.D.

Head

Assistant Professors

1. Neelam Kumari, Ph.D.
2. Rohtash Kumar, Ph.D.
3. Sarabjit Singh Brar, Ph.D.

COURSES

1. Master of Statistics (2 years)

Students Intake: 33

Pre-requisite: B.A./B.Sc. with Statistics or Mathematics or Graduate in any discipline with Statistics/Mathematics/Quantitative techniques as one of the papers provided the student had Mathematics at 10+2 level.

Career Options: Teaching, Research, Govt. Service, Industry.

2. B.Sc. (Computer Science, Statistics & Mathematics) (3 years)

Students Intake: 33

Pre-requisite: 10+2 with Math.

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9.8 UNIVERSITY COMPUTER CENTRE

FACULTY

1. Kawaljeet Singh, Ph. D.	Director
2. Dalbir Singh, MCA.	System Analyst
3. Vibhu Sharma, MCA, M.Phil	Programmer
4. Santbir Singh, MCA	Programmer
5. Satish Mittal, MCA, M.Phil.	Technician Grade-II Teaching Aid
6. Arshdeep Singh, MCA	Trainee Programmer

COURSES

1. PG Diploma in Computer Applications (PGDCA)

Duration : 1 Year (Semester System comprising of two semesters)

2. PG Diploma in Computer Maintenance and Networking (PGDCMN)

Duration : 1 Year (Annual System)

3. PG Diploma in Internet and Web Designing (PGDIW)

Duration : 1 Year (Annual System)

Common Information for all the three Diploma Courses (1, 2 & 3)

- I. Students Intake : 50
- II. Pre-requisite: Graduation in any discipline.
- III. Admission Procedure: On the basis of the Merit of marks obtained at the graduation level and weightage admissible to NCC, NSS, Youth activities for A, B or C Certificates on marks obtained at the Graduation level.
- IV. All the Diploma Courses are minor courses and can be joined along with any other course of Punjabi University.
- V. The University will not provide hostel facility for these courses. However, depending upon the availability the same may be considered.
- VI. The medium of examination shall be English only.
- VII. Classes of the course are held from 5.00 pm to 7.00 pm, weekends or on holidays.
- VIII. Minimum strength to be ensured for the commencement of the Course is 20. In case of non-commencement of the course due to shortage of students, no admission form fees will be reimbursed.
- IX. In-service candidates are required to submit "No Objection Certificate" from the employer.
- X. Additional 5 seats for University employees are reserved in PGDCA Course.

Contact details:

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|-------------------------------------|--------------------------|
| 1. Dr. Kawaljeet Singh, Director | singhkawaljeet@pbi.ac.in |
| 2. Sh. Dalbir Singh, System Analyst | dalbir@pbi.ac.in |

Phone No. 0175-3046314, 2286570(Head)

0175-3046315 (Office)

9.9 PUNJABI COMPUTER HELP CENTRE

FACULTY

Dr. Devinder Singh (*Director*)

Dr. C.P. Kamboj (Assistant Professor)

1. Certificate Course in Punjabi Computing (Evening)

Students Intake: 20

Pre-requisite: 10+2

Admission Procedure:

1. On the basis of the Merit.
2. Course is minor course and can be joined along with any other course of Punjabi University.
3. The University will not provide hostel facility for these courses.
4. The Medium of instructions and examination shall be Punjabi only.

2. Seven Days Workshop on Use of Computer in Punjabi Language".

Students Intake: 20

Pre-requisite: Faculty Members, Research Scholar(Ph.D or M.Phil) and Minimum Graduate students, Writers, Media Persons and all Outside Candidates.

Preference will be given to those researchers who are writing their thesis in Punjabi Medium.

Admission Procedure: These workshops are conducted continuously throughout the year. Details are displayed online on University website link www.punjabicomputer.com and the information is also circulated through departmental notices.

3. Crash Courses: Ten Different Subject.

Student Intake:20

Pre-requisite: Graduation

Admission Procedure:

Applications are accepted through out the year. The concerned subject course is imparted on the completion of students group. Entrance on the basis of "First come, First serve".

4. Refresher Course

Student Intake:20

Pre-requisite: Having completed Seven Days Workshop from this centre. Two Groups/Per Year.

Admission Procedure:

Applications are accepted through out the year. Entrance on the basis of "First come, First serve".

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