

# DEPARTMENT OF GEOGRAPHY

- Developing a strong foundation of Geotectonics, Geomorphology, Biogeography, Soil Geography and instrumentation techniques and their applications to examine and appreciate the inherent complexity of landscape systems at micro level.
- Conceptualizing the basic atmospheric and climatic phenomena of the earth and their effect on man. Developing advanced level concepts of Remote Sensing and Geographical Information System and their applications in present day situation.
- Understanding the principles and applications of Hydrology and Oceanography to address water resource and environment related problems. Conceptualizing the Social, Cultural, Political, Settlement Geography and the ethical considerations associated with their environmental impact. Making a knowledge base of the development of Geography by going through Geographical Thought.
- Undertaking an analytical approach to design and completing field work in the above areas following land use and questionnaire survey. Acquiring, analyzing and interpreting the statistical data to arrive at unbiased conclusions about problems and devising alternatives to existing procedures.

# DEPARTMENT OF ECONOMICS

- Students will analyze and evaluate positions on economic issues, showing that they can break an economic issue down into the various economic principles and concepts that form the basis of the position and identifying the competing sides on the issue.
- Student will critique an economic position in terms of accuracy of its representations of economic principles and concepts and the soundness of its use of those concepts and principles to make a claim about economics.
- Student will solve real world economic problems effective in the context of an industry and field of study showing that they can identify and collect the appropriate economic data and solutions to problems, clearly and accurately.
- Students will explain economics to lay audiences, showing that they can translate economic concepts and principles into terms that can be understood by general audience.

# DEPARTMENT OF EDUCATION

- Understanding the processes of learning, including some of the key paradigms and their impact on educational practices
- Showing awareness of relevant aspects of cultural and linguistic differences and societies; politics and education policies; philosophical underpinnings, including issues of social justice, and their effects on learning.
- Showing familiarity with formal and informal contexts for learning. Educational contexts will include some understanding of the student's own education system and other education systems, and the value systems underpinning the organization.
- Demonstrating the complex interactions between education and its contexts, and relationships with other disciplines and professions.

# DEPARTMENT OF SOCIOLOGY

- Sociologists study the ways in which social structures and interactions shape human life. Sociology's most distinguishing feature is the methods employed for research, which are diverse, ranging from the quantitative analysis to qualitative approaches, and historical investigation. Thus, sociologists study social interaction in a broad array of contexts for which they use method is appropriate for the particular question being posed. Sociological ideas and methods are used by policy makers, political analysts, and social critics. Therefore, many of our concepts have become a part of our common lexicon and everyday language. Concepts often used in various contemporary discourses, like "the self-fulfilling prophecy," "conspicuous consumption," "risk," "social mobility," "modernization," "cultural-lag," and "in-groups" and "out-groups" were all originally coined by sociologists. Moreover, sociology have been studying issues and topics like social inequality, ethnic relations, gender discrimination, and sexual diversity long before these became issues of concern among policy makers and in popular culture. Many popular research techniques, such as polling and survey design, were also pioneered by sociologists.

# DEPARTMENT OF SOCIOLOGY

- The present course will attempt to introduce wide range of subjects, including crime, law, and deviance; sex and gender; marriage and family; organizations, occupations, and work; population dynamics; justice; science, politics, social movement, and social policy; power and inequality in modern societies; welfare, culture, and education; and social theory.
- The course will offer the tools and knowledge to help students make sense of the world around them, the goal is to bring out informed citizens, with expertise in the social sciences, and empowered with an outlook of a socially pro-active leader.
- Notwithstanding whatever be the plan for future, be it a professional career or postgraduate study in sociology or another social science, students will find a wide range of useful and interesting areas of study in this course.
- Students preparing for careers in civil society, law, social work, health, public administration, research and planning, and other professional areas will benefit from this course.

# DEPARTMENT OF POLITICAL SCIENCE

- Understanding the nature and developments in national and international politics
- Analysing the Indian constitutional provisions, major legislations and reforms. Critical evaluation of social, economic and political variables for a proper understanding of the plurality of Indian society
- Building overall consciousness regarding national political history, international relations and present Indian and Western political thinkers.
- Encouraging a comprehensive, comparative understanding of specific world constitutions such as UK, USA, China, Russia, Switzerland and France.
- Developing knowledge of administrative studies with special reference to Indian administrative structures and practices.
- Examining India's foreign relations with her neighbours and great powers.
- Use of case study method for analyzing the working of important international and regional organizations like UN, EU, ASEAN etc.

# DEPARTMENT OF BENGALI

- Develop ideas on History of Bengali literature and linguistics.
- Analyse Bengali Rhythms, Alonkar and develop ideas on classic Bengali poetry.
- Increase conception of Bengali fiction and short story.
- Understanding about the classification of essay, poetry and criticism.
- Students will be capable of oral and written communication about the classification of drama and history of Bengali theatre.
- Students will demonstrate ideas about Epic, Lyric, Epistle, Classicism, Surrealism, Romanticism, Imagism.
- Students will demonstrate knowledge of selected fiction.
- Students will demonstrate the interdisciplinary approach.

# DEPARTMENT OF ENGLISH

- Writing skills and process: Students will be able to write effectively for a variety of professional and social settings. They will practice writing as a process of motivated inquiry, engaging other writers' ideas as they explore and develop their own.
- Critical Approaches: Students will express their own ideas as informed opinions that are in dialogue with a larger community of interpreters, and understand how their own approach compares to the variety of critical and theoretical approaches.
- Oral communication skills: Students will be able to prepare, organize, and deliver an engaging oral presentation in English.



## DEPARTMENT OF PHYSICAL EDUCATION

- Understanding the meaning of physical education for an individual development and improving general health for professional activity;
- Fostering motivational attitude to the physical education, healthy lifestyle and regular exercising;
- Learning special knowledge, practical skills, which provide health protection, form compensatory process, correct present health abnormalities, provide mental prosperity, development and improvement of psychophysical skills, form professional qualities of an individual;
- Body's adaptation for physical and mental workload and also at the increasing of the capability of physiological systems as well as raising of the resistance of immune defenses;
- Learning the methodology of formation and taking health exercises independently, the methods of self-control while exercising, hygiene rules and sound schedule for work and rest;
- Learning how to resist unfavorable factors and working conditions, decreasing fatigue during professional activities and raising the quality of results

# DEPARTMENT OF MATHEMATICS

- Have the versatility to work effectively in a broad range of analytic, scientific, government, financial, health, technical and other positions.
- Have a broad background in Mathematics an appreciation of how its various sub-disciplines are related, the ability to use techniques from different areas, and an in depth knowledge about topics chosen from those offered through the department.
- Be mathematically, numerically literate. In particular, graduates will recognize the importance and value of mathematical thinking, training, and approach to problem solving, on a diverse variety of disciplines;
- Be familiar with a variety of examples where mathematics helps accurately explain abstract or physical phenomena;
- Recognize and appreciate the connections between theory and applications;
- Be able to independently read the mathematical literature of various types, including survey articles, scholarly books, and online sources;
- Be life-long learners who are able to independently expand their mathematical expertise when needed, or for interest's sake.

# DEPARTMENT OF MUSIC

- Music provides a better social environment among the students, who are the future of our nation. It is a subject which is called 'Gurumukhi Vidya'. So, it makes a relation more than a teacher-student relationship.
- Classical Music is the base of all kinds of Indian Music. It is a huge part of our syllabus. So, a student can get thorough knowledge of Swaras and its applications from this course.
- We emphasize on individual composition making, which may help them to expose themselves as music composers in future.
- Our course provides a basic knowledge of Rabindra Sangeet, Bengali Songs and all Folk forms of Bengal and other Provinces. Thus a student can get knowledge of regional songs and may select a subject which they can choose for higher studies. It helps them to establish themselves as one of the specialized artists.
- We have an introductory part of acoustics in our course. It helps the learners to know the science of music, which is necessary to understand music properly.
- Psychological parts of the course help the students to relate music with human psychology, which is required for being a good performer.

# DEPARTMENT OF COMPUTER SCIENCE

- Serving as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.
- Serving as the Computer Engineers with enhanced knowledge of computers and its building blocks.
- Working as the Hardware Designers/Engineers with the knowledge of Networking Concepts.
- Working as the System Engineers and System integrators.
- Serving as the System Administrators with thorough knowledge of DBMS.
- Giving Technical Support for the various systems.
- Working as the Support Engineers and the Technical Writers.
- Working as Consultant and Management officers for system management.
- Working as IT Sales and Marketing person.
- Serving as the IT Officers in Banks and cooperative societies.
- Working as DTP Operator in small-scale industries.
- Serving as the Web Designers with latest web development technologies.

# DEPARTMENT OF BOTANY

- Understanding the structural organization and variation in chromosomes get self-employment in the fields as: mushroom cultivation, organic manure preparation, the horticultural plant production, cultivation of crops in poly-house condition, plant tissue, culture laboratories etc.
  - Understanding plant structures in the context of physiological functions of plants.
  - Understanding lipid metabolism in plants. Understanding the morphological and structural organization of Cryptogams and Phanerogams.
  - Economics Botany and plant utilization in concern with human life.
  - Diversity of plants National plant wealth.
  - Developmental biology of plants.
- Industrial application of microorganism

# DEPARTMENT OF CHEMISTRY

- Providing a broad foundation in chemistry that stresses scientific reasoning and Analytical problem solving with a molecular perspective.
- Achieve the skills required to succeed in graduate school, the chemical industry and professional school.
- Get exposures of a breadth of experimental techniques using modern instrumentation.
- Understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information.
- Understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
- Learn the laboratory skills needed to design, safely and interpret chemical research.
- Acquire a foundation of chemistry of sufficient breadth and the depth to enable them to understand and critically interpret the primary chemical literature.
- Develop the ability to communicate scientific information and research results in written and oral formats.
- Learn professionalism, including the ability to work in teams and apply basic ethical principles.

# DEPARTMENT OF ZOOLOGY

## Understanding

- the nature and basic concepts of cell biology Understand the basic concepts of chordates and non-chordates.
- the concepts of sericulture, apiculture, psiculture and Lac culture.
- the various Applications of Biotechnology.
- the Lamarkism, Neo-Lamarkism and Darwinism.
- the term ELISA technique and DNA finger printing.
- the process of evolution

# DEPARTMENT OF PHILOSOPHY

- Philosophy demonstrates the historical and technical knowledge that is central to the discipline of philosophy, including knowledge of core concepts, distinctions, theories, argumentative techniques, movements, and influential figures, within the core fields of aesthetics, ethics, epistemology, logic, metaphysics, and social & political philosophy.
- Employing the principles of logic to construct cogent arguments in both speech and writing. Their capacity to reason clearly and carefully will be manifest in their use of
  - a) deductive reasoning skills, wherein the conclusion is embedded in the conditions that are known, given, or accepted, and
  - b) inductive reasoning skills, wherein one must reason beyond the conditions that are known, given, or accepted.
- Exhibiting a general understanding of the history and development of Philosophy and a specific understanding of some portion of that history.
- Describing with critical analysis of the most important historical and contemporary interpretive frameworks used in the discipline of Philosophy (for example, Plato's Theory of Forms, the utilitarian approach to ethics, and the existentialist analysis of the human condition).
- Applying the analytical techniques of the discipline of Philosophy (for example, by presenting orally and in writing succinct analyses of philosophical texts and coherently structured arguments in defense of their own philosophical claims).



# DEPARTMENT OF NUTRITION

- Enabling to pursue higher education and research
- Understanding the role of food and nutrition for the welfare of the community
- Gaining Excel in the area of personal and public health nutrition Faculty of Home Science
- Applying skill based knowledge in food industry
- Acquiring entrepreneurial skills in the field of food science and nutrition

# DEPARTMENT OF ANTHROPOLOGY

- Demonstrate a broad and comparative understanding of humanity, the diversity of world cultures;
- Demonstrate an understanding of core tenets of the four-field approach (sociocultural, archaeological, linguistics and biological) within anthropology as a discipline;
- Demonstrate the skills necessary to collect, analyze, and interpret data relevant to one or more of the subfields of anthropology within the context of anthropological theory;
- Demonstrate the ability to follow ethical and professional standards for cultural sensitivity in interpersonal and cross-cultural interactions.

# DEPARTMENT OF SANSKRIT

- Advanced knowledge of ancient Indian philosophy, literature and history.
- Strong communicative skill in Sanskrit developed through the add-on 'Spoken Sanskrit Course' conducted by Rastriya Sanskrit Sansthan, New Delhi Command over Devanagari script, which provide them the paleographical knowledge to read out the script of modern languages like Hindi and Marathi.
- Practice of textual analysis of Sanskrit and Vedic Sanskrit texts endowed him/her to develop a critical perspective to assess existing research through careful reading, analysis and discussion.
- The ability to apply relevant theoretical perspectives in Sanskrit philosophical and literary works to contemporary topics and also to develop a scientific approach towards analysis of modern texts.

# DEPARTMENT OF COMMERCE

- Understanding basic concepts of accountancy, principles of accountancy and accounting cycle to maintain accounts of trading & non-trading organizations.
- Getting acquainted with the procedure of preparation of income statements, retained earnings, balance sheet and statement of cash flows which are required for external users and more useful to managers for managerial decision making.
- Inculcating different skills for analysis and interpretation of financial data to understand financial health of an organization and ensure that resources are being used to achieve the organizations objectives.
- Developing knowledge about cost ascertainment and fixation of selling price and cost control.
- Obtaining the knowledge of various provisions of Income Tax Act and their applications in computations of taxable income of an individual under different heads of income.
- Getting working knowledge of generally accepted auditing procedure, techniques and skills

## B. ED.

- Understand basic concepts and ideas of educational theory.
- Build understanding and perspective on the nature of the learner, diversity and learning.
- Comprehend the role of the systems of governance and structural – functional provisions that support school education.
- Develop understanding about teaching, pedagogy, school management and community involvement.
- Build skills and abilities of communication, reflection, art, aesthetics, theatre, self expression and ICT.

## B.COM

- Commercial sense.
- Develop managerial skills.
- Entrepreneurial skill.
- Budgeting policy.
- Human Resources Management.
- Develop Numerical ability.
- Well versed with business regularity framework.

## B. Sc.

- This course forms the basis of science and comprises of the subjects like physics, chemistry, biology, zoology and mathematics.
- It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation or society to grow at a rapid pace.
- After higher studies students can join as scientist and can even look for professional job oriented courses.
- This course also offers opportunities for serving in Indian Army, Indian Navy, Indian Air Force as officers.
- Students after this course have the the option to join Indian Civil Services as IAS, IFS etc..
- After the completion of the B.Sc degree there are various other options available for the science students. Often, in some reputed universities or colleges in India and abroad the students are recruited directly by big MNC's after their completion of the course.
- Apart from the research jobs, students can also work or get jobs in Marketing, Business & Other technical fields. Science graduates also recruited in the bank sector to work as customer service executives. Students can also find employment in government sectors.

## B.A.

- Students can go for a career option in various areas following successful accomplishment of their Bachelor of Arts degree.
- Employment opportunities include Historian, Economist, Educationist, Archaeologist, Political Scientist, Philosopher, Social Activist, Personnel Manager, Psychologist, Sociologist, Philosopher, Public Relation Executive, Lawyer, Journalist and so on.
- This course also offers opportunities to undergraduates in Banking jobs, SSC , Railway and even Civil services. They can appear for almost every exam where science is not the basic eligibility.
- Study of Humanities makes students socially aware. They know the problems of society. Thus many choose to work in NGOs and some open their own.
- Students having degree in B.A. have edge in CAT exams as IIMs looking for diversity . Many arts students pursue their career in Management and Marketing.



- Improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments. Develop criteria to organize and present different type of works in academic and professional environments.
- Learn how to organize information efficiently in the forms of outlines, charts, etc. by using appropriate software.
- Develop the skills to present ideas effectively and efficiently. do Academic and Professional Presentations - Designing and delivering an effective presentations and developing the various IT skills to the electronic databases.
- Use the Systems Analysis Design paradigm to critically analyze a problem.
- Solve the problems (programming networking database and Web design) in the Information Technology environment. Function effectively on teams to accomplish a common goal and Demonstrate professional behavior.
- Develop IT-oriented security issues and protocols.
- Design and implement a web page.
- Improve communication and business management skills, especially in providing technical support.