

**List of Programmes (Session-2022-23) & outcomes for Under Graduate/Post Graduate Courses**  
Courses Offered by the SPN College:

Under Graduate/Post Graduate Course	
<p><b><i>U.G. (Programme) in Arts (English)</i></b></p>	<p><b><i>English:</i></b></p> <ul style="list-style-type: none"> <li>• The outcome of teaching learning process is the overall integrated development of the learners.</li> <li>• Students are motivated to learn and to establish themselves as an independent individual and to create their own identity through their interest and love towards the subject.</li> <li>• The course offers then to learn within and without and to merge themselves with greater interest towards society.</li> <li>• English aims at language learning and love towards literature in English.</li> </ul>
<p><b><i>P.G. (Programme) in Arts (English)</i></b></p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of literary terms, major periods and movements, authors, genres, and theories.</li> <li>• Develop complex reading, writing and research skills.</li> <li>• Demonstrate argumentative skills which enable students to improve and practice and practice interpretations and research practices by using textual material, secondary sources, and literary theory.</li> <li>• Be able to take participation in literary studies through conferences, publications etc.</li> <li>• Demonstrate an appreciation for literary theory.</li> <li>• Demonstrate an understanding of and appreciation for the academic literary profession.</li> <li>• Teach as adjunct faculty at colleges and universities.</li> <li>• Be a professional writer and editor in a variety of fields- journalism, marketing and public relations, non-profit organizations and more.</li> <li>• Continue into a Ph.D program.</li> <li>• Develop a passion for literature and language and appreciate the expressive use of language as a fundamental and sustaining human activity, preparing for a life of learning as readers and writers.</li> </ul>

# Swami Premanand

## Mahavidyalaya Mukerian, District Hoshiarpur (Punjab)

*U.G. (Programme) & P.G. in  
Arts (Punjabi)*

### *Punjabi*

First Year BA

CO1: To gather knowledge about the history of literature of Punjabi language of ancient age to modern age and the value of the texts which represent the ancient age to 19<sup>th</sup> century.

CO2: to know the history of Sanskrit and English literature so that they can compare Punjabi literature with those and a better knowledge about literature.

CO3: To get knowledge about art, culture and literature and Punjab and to get the link of those altogether which help the students to widen the horizon of knowledge.

CO4: Science fiction, detective novels are now becoming a large part of Punjabi literature. Students will be acknowledged well with this type of books in this syllabus

Second Year BA

Co1: To study about art, folk drama, Punjabi songs, cinemas, theatre.

CO2: To study literature in various aspects such as poetry, prose, novel, short story and drama.

CO3: The course will help the students to know about folk culture, tradition of fine arts, folk songs and myth also.

Third Year BA

CO1: Students learn about the history of literary theory and literary criticism from the beginning to the modern age. The students also receive the knowledge about the criticism of novel, short story and poem.

CO2: Here students come to know about the various writers and their works in details.

MA I

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	<p>CO1: With the study of history of Punjabi language and literature students have to study linguistics and the texts of old medieval and modern age literature.</p> <p>CO2: Short and rapid research about the art, culture and literature through MA Research Project.</p> <p>MA II</p> <p>CO1: Development of understanding of the higher and advanced concepts of learning in Punjabi literature in the area of Medieval age.</p> <p>CO2: Short and rapid research in the area of interest through MA Research Project.</p>
<b><i>U.G. (Programme) &amp; P.G. in Science (Mathematics)</i></b>	<p><b><i>Mathematics:</i></b></p> <p><b><i>B.Sc Mathematics (Programme)</i></b></p> <p>The main objectives of the study of the Mathematics are fundamental objects, technique and theorems in the mathematical science including the field of analysis, algebra, geometry, differential equation and numerical techniques with Computer Programming.</p> <p>M. Sc Mathematics</p> <p>The main objectives of the study of the M. Sc in Mathematics are-</p> <ol style="list-style-type: none"> <li>1. To develop more skilled or specialized in a particular discipline</li> <li>2. M. Sc degrees tend to be more focused and allow students to develop the depth of their knowledge in mathematics and also students get a feel for how to use their new skilled in the real life.</li> </ol>
<b><i>U.G. (Programme) (Botany)</i></b>	<p><b><i>Botany:</i></b></p> <p>The main objective of the study of Botany is ;</p> <p>To give the students a holistic understanding of the subjects giving substantial weight to both core content and techniques used in Botany.</p> <p>The subject giving to enhance upgraded knowledge of Botany like Cryptogams, Plant diseases, microbiology – industrial and environmental importance, ecology, Ethno-botany, forestry, Herbal technology, floriculture, Taxonomy and biosystematics, Genetics, Plant physiology, Biotechnology, Bioinformatics and Molecular Biology etc.</p>
<b><i>U.G. (Programme) in Commerce (Accountancy)</i></b>	<p><b><i>Commerce</i></b></p> <ul style="list-style-type: none"> <li>• The main objective is to deal with the syllabus in a very scientific, lucid and comprehensive way, so that it is understandable to all the students.</li> <li>• To make the students conscious regarding the latest development in the accounting world.</li> <li>• To provide the efficient and effective account knowing persons to the society, so that the society can achieve every success.</li> <li>• To provide necessary support to every sphere of society by supplying necessary knowledge in accounting.</li> </ul>
<b><i>P.G. (Programme) in Commerce (Accountancy)</i></b>	<ul style="list-style-type: none"> <li>• Have a better understanding about the quantitative aspects regarding research and economic analysis</li> </ul>

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	<ul style="list-style-type: none"> <li>• Identify the presentation and disclosure requirements of a statement of cash flows, including the proper classification of operating, financing, and investing activities.</li> <li>• understand some basic concepts of research and its methodologies</li> <li>• Understand about different methods of analysis and application of marginal costing.</li> <li>• Identify the elements of operations management and various transformation processes to enhance productivity and competitiveness</li> <li>• analyse industry factors, and identify their impact on profitability and strategic positioning</li> <li>• Understand the c To provide a theoretical and practical background in the field of investments.</li> <li>• oncept of auditing and other discipline.</li> <li>•</li> </ul>
<b><i>U.G. (Programme) &amp; PG in Arts (Political Science)</i></b>	<b><i>Political Science</i></b> Political Science Department prepares students to become informed active

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	<p>citizens. This course emphasizes the comprehension of political thinking, the application of communication and analytical skills, and the understanding of cultural diversity.</p> <p>The Political Science Department emphasizes these learning objectives:</p> <ol style="list-style-type: none"> <li>1. To Increase knowledge of the political science discipline; its principal theoretical frameworks and applications, conceptual vocabulary, and methods of inquiry; its major subfields of study; and its interrelationships with the other social science fields.</li> <li>2. To increase understanding of basic facts and concepts about the political system, including its history, philosophical, constitutional and legal foundations, leading political values and ideas, governing institutions, and policymaking processes.</li> <li>3. To increase knowledge of diverse political systems around the world, including empirical area-based knowledge; broader theoretical understanding of different political systems, institutions and processes; and the changing domestic and global contexts within which they operate.</li> <li>4. To increase knowledge of the history of classical and modern political thought; of the fundamental values and ethical issues contested in politics over time; and of alternative moral and ethical frameworks for interpreting and evaluating contemporary political discourses.</li> <li>5. To increase recognition of the major problems, the leading policies, and the legal issues confronting contemporary political systems.</li> <li>6. To increase acquisition of citizenship skills, ethical values, and the ability to understand and appreciate human diversity; and to engage in community life as active citizens.</li> <li>7. To increase understanding of political science research and analytical skills, including the ability to think critically; to construct logical arguments; to collect, analyze, and interpret evidence and data; and to formulate reasoned conclusions.</li> </ol>
<b><i>U.G. (Programme) &amp; PG in Arts (History)</i></b>	<p><b><i>History</i></b></p> <p>The courses are designed in a methodical and scientific manner that the learners can easily be acquainted with the tradition, culture and society of the civilization of mankind. The learners are groomed for innovative, ingenious and hands-on experiences of the basic tenets of history so that they can fit in themselves with the challenges of modern educational systems. The courses also reflect the tradition of local history, culture and value-added education resulting in boosting up the morale of the learners to put up with the attributes of higher studies and future researches.</p>
<b><i>U.G. (Programme) in Arts (Economics)</i></b>	<p><b><i>Economics</i></b></p> <p><b>Objectives &amp; Learning Outcome: Undergraduate Courses in Economics</b></p> <p>The goal of undergraduate courses in Economics that are offered at the</p>

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	<p>college level is not to prepare professional economists- although some of the students might become such. The primary objective of such courses is to disseminate information about the future prospects of Economics students and to help them acquire knowledge about the subject as a way of life. How the world actually works is unclear, there are many different perspectives all of which are sometimes useful. Whatever be the particular views, it is widely agreed that it is almost impossible to gain a coherent picture of modern civilization without paying very close attention to its economic basis. It is not possible to put together an adequate picture of any sphere of social life- whether politics, family life or even science or literature- without a clear understanding of its economic basis.</p> <p>The undergraduate courses offered by the Department of Economics, aim to bring its concentrators to a point where they understand and can evaluate what is occurring in the world around them and at the same time plan their future.</p> <p>Some information about the future prospects of Economics students, in general, can be highlighted. There are many good reasons to take up the Economics Course. For students interested in international trade or stock market, Economics is the natural choice. Someone who seeks a quantitative rigorous approach to social science will find Economics to be an exciting vibrant discipline. Students may choose to concentrate in the Economics Course because it provides obvious intellectual advantages as a foundation for professional works in business, banking, management, administration, law and even in environmental studies and computer applications. Thus the Economics students go to work in business, politics, teaching, research, state level and national level Civil Services, social services and charitable work through NGOs and other occupations.</p>
<b><i>U.G. (Programme) in Science (Physics )</i></b>	<p><b><i>Physics</i></b></p> <p>At the end of 1<sup>st</sup> year (1<sup>st</sup> SEM &amp; 2<sup>nd</sup> SEM) students will get basic knowledge in mathematical physics, mechanics, special theory of relativity, optics, electricity &amp; magnetism. Students will be able to plot any experimentally obtained data using gnuplot software. They will be able to perform various mechanical and electrical experiments.</p> <p>At the end of 2<sup>nd</sup> year (3<sup>rd</sup> SEM &amp; 4<sup>th</sup> SEM) students will be able to attain basic knowledge about quantum mechanics, electronics (analog &amp; digital), and nuclear physics. They will also have practical knowledge in open source software like python, scilab and handling various instruments based on the principle of optics and modern physics.</p> <p>At the last year (5<sup>th</sup> &amp; 6<sup>th</sup> SEM) students will be acquainted with statistical mechanics, solid state physics, electromagnetic theory, advanced mathematical physics and astrophysics. They will be able to synthesize and</p>

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	characterize various nano materials. This will motivate them to do project work or research work in this field in near future.
<b><i>U.G. (Programme) in Science (Chemistry)</i></b>  <b><i>P.G. (Programme) in Science (Chemistry)</i></b>	<b><i>Chemistry</i></b> <ul style="list-style-type: none"> <li>• Our department has enormous potential to motivate students and create human resources in field of Chemical Sciences which will have a great contribution towards the building of Nation.</li> <li>• The holistic understanding of the core contents and techniques of teaching-learning of the subject open access opportunities both in the fields of academics and industries.</li> </ul> <ul style="list-style-type: none"> <li>• Course of Inorganic Chemistry teaches basic concepts of Inorganic Chemistry to students and their applications various fields of chemistry.</li> <li>• Students will be able to draw the mechanism of different reactions.</li> <li>• Students have gained knowledge about basic quantum Mechanism.</li> <li>• Main objective of the course will be to teach students to use the computers to solve problems in chemistry, specifically they have to effectively use:-             <ul style="list-style-type: none"> <li>➤ Principles of programming.</li> <li>➤ Spread sheets.</li> <li>➤ Software for solving numerical problems.</li> </ul> </li> <li>• Students will be able to understand Mathematical Calculations.</li> <li>• Students will be learnt about the naming of different Heterocyclic compounds.</li> <li>• Students will be envisioned with better industrial processes to save environment.</li> </ul>
<b><i>U.G. (Programme) in Science (Zoology)</i></b>	<b><i>Zoology:</i></b> The specific learning goals for general Zoology are to provide students with a working knowledge of fundamental principles in Zoology that is provide a foundation for the letter advanced works in more specific biological subjects. Zoology is a basic course; the students will become familiar in different branches that is Genetics, Animal Physiology, Biochemistry and Molecular Biology, Biotechnology, Biodiversity, Public Health and Hygiene, as well as in economy Zoology such as Sericulture, Apiculture, Fishery, And Animal Breeding etc. Students will be able to demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization in zoology. Students will also learn about the use of various technical skills in the biological sciences to be helpful during research work.

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<p><b><i>U.G. (Programme) in Science (Computer Science)</i></b></p>	<p><b><i>Computer Science</i></b>  Upon completion of a B.Sc in computer science, students will be able to :</p> <ol style="list-style-type: none"> <li>1. Learn about DBMS, data structure, networking, algorithm, operating system, computer architecture and various programming languages like C, C++, JAVA, Python .</li> <li>2. Apply algorithmic, mathematical and scientific reasoning to a variety of computational problems.</li> <li>3. Analyzing, design, implement and evaluate a computer based system, process, component or programme to need desired needs.</li> </ol> <p>Communicate effectively both orally and in writing and recognize the social and ethical responsibilities of a professional working in the discipline.</p>
<p><b><i>P.G. (Programme) in Science (Computer Science)</i></b></p>	<ol style="list-style-type: none"> <li>1. Students will be familiarized with basic concepts related to Computers, DOS, Windows, Linux and application software's like Word processing, Spreadsheet Software and Presentation Software.</li> <li>2. Students will understand Layered structure of Networks and working of different Layers.</li> <li>3. Students will learn different Object Oriented concepts including inheritance, visibility control etc. using JAVA programming language.</li> <li>4. This course familiarizes students with concepts of HTML, CSS, JAVA Scripts and PHP.</li> <li>5. This course make students understand concepts related to Software Engineering including process model, project management, design and testing.</li> </ol>
<p><b><i>U.G. (Programme) in Arts (Physical Education)</i></b></p>	<p><b><i>Physical Education:</i></b>  The objective of Physical Education discipline is to develop a comprehensive outlook of an Individual with a strong civic position, moral qualities, sense of responsibility and independent, initiative, tolerant person who is able to successfully socialized and to use different forms of physical educational programme and sports in daily life to protect his or her own health and promote effective professional activities.</p>