

Trinity College Jalandhar

Course offered and their Outcomes

Faculty of Arts

Course offered: BA and MA (Pol Sci.)

➤ **Subject – Elective Hindi**

- To know more about the Matras.
- To help the children recognize the words.
- Reading of the lessons with proper pronunciation.
- Motivate the children to learn national Language

➤ **Subject –History**

- To know the social, economic and political conditions of Punjab that led to a mass movement for Independence.
- To know about the great Heroes of India who sacrificed their lives for the quest of freedom.
- To know how Mughals brought along with them a new language and a new type of Architecture.
- To know about the great Heroes of India.
- To familiarize the students with historical journey of country and world.
- To help the students to recognize and appreciate the valor of great women warriors like Rani Jhansi, and Razia Sultana.
- To prepare the students for competitive exams.
- To know about the great Artists and writers of Punjab and their role in shaping the rich cultural heritage of Punjab.
- To make the students know about Great Gurus such as Guru Teg Bahadur and Guru Gobind who sacrificed his whole family for the cause of Nation.
- To know about the great Heroes of India who sacrificed their lives for the quest of freedom.
- To stand unanimously for the international peace.
- To be acquainted with the world History.
- To know about the great Artists and writers of Punjab and their role in shaping the rich cultural heritage of Punjab.
- To know about Maharaja Ranjit Singh that how great he was as a warrior and an administrator.
- To know about the great Heroes of India who sacrificed their lives for the quest of freedom.

➤ **Subject: Political Science**

- Students get knowledge about the origin of state.
- They get the information about the composition of state and different elements of the state.
- They come to know about the various views regarding origin and role of state.
- They become aware about the functions of the state.
- Students get knowledge about the Political System.
- They get the information about the issue of Human rights and Environment protection.

- They come to know about the various theories regarding Democracy.
- They become aware about the main pillars of Democracy Liberty Equality and justice.
- Students get knowledge about Indian Constitution, its making and its main principles.
- They get the information about the nature of Indian state.
- They come to know about the formal organs of the Government at state and center level.
- They become aware about their fundamental duties and rights. They also come to know the basic principles of state policies.
- Students get knowledge about Informal Structures in Indian Politics.
- They get the information about the role of Election Commission.
- They come to know about the basic principles of Indian Foreign Policy.
- They become aware about the impact of Caste, Religion etc. on Indian Politics
- Students get knowledge about British and American Constitution and their main principles.
- They get the information about the nature of both the states.
- They come to know about the formal organs of the Government in both the countries.
- They become aware about informal structures in the countries.
- They also come to know the basic rights of citizens in the countries.
- In the age of Globalization, this subject makes the students aware about the political system in both countries
- Students get knowledge of various concepts in International Politics.
- They get the information about main theories of international politics.
- They come to know about the history of international politics.
- They become aware about the present world order.
- They also come to know about various non-state actors in international politics.
- Students also become aware about various issues in International politics like NIEO, Terrorism etc.

➤ **Subject : Gen. Punjabi**

- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਭਾਸ਼ਾ ਤੇ ਉਪਭਾਸ਼ਾ ਅਤੇ ਉਪਭਾਸ਼ਾਵਾਂ ਦੀ ਪਛਾਣ ਅਤੇ ਮਹੱਤਤਾ ਪ੍ਰਤੀ ਜਾਣਕਾਰੀ ਦੇਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸਾਹਿਤ ਦੇ ਰੂਪਾਂ (ਕਵਿਤਾ ਅਤੇ ਜੀਵਲੇਖ) ਤੋਂ ਜਾਣੂਕਰਵਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਵਿਚਕਵਿਤਾ ਅਤੇ ਜੀਵਨੀਲੇਖ ਪ੍ਰਤੀ ਰੁਚੀ ਤੇ ਉਤਸੁਕਤਾ ਪੈਦਾਕਰਨਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਸੰਸਾਰ ਦੀਆਂ ਪ੍ਰਸਿੱਧ ਹੱਸਤੀਆਂ ਤੋਂ ਜਾਣੂਕਰਵਾਉਣਾ।

➤ **Subject : Elective Punjabi**

- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਸਾਹਿਤ ਅਤੇ ਵਿਆਕਰਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨਕਰਨਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਅਤੇ ਨਾਵਲ ਨੂੰ ਸਮਝਣਯੋਗ ਬਣਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਜ਼ਿੰਦਗੀ ਦੇ ਵੱਖ-ਵੱਖ ਵਰਤਾਰਿਆਂ ਪ੍ਰਤੀ ਜਾਣੂਕਰਵਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਭਾਰਤੀ ਸਾਹਿਤ ਸੰਕਲਪਾਂ ਪ੍ਰਤੀ ਜਾਣੂਕਰਵਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਅਰਥ ਵਿਗਿਆਨ ਤੋਂ ਜਾਣੂਕਰਵਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੁਰਾਤਨ ਪੰਜਾਬੀ ਸਾਹਿਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨਕਰਨਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੁਰਾਤਨ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨੂੰ ਸਮਝਣਯੋਗ ਬਣਾਉਣਾ।
- ਪੁਰਾਤਨ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੇ ਵੱਖ-ਵੱਖ ਰੂਪਾਂ ਪ੍ਰਤੀ ਵਿਦਿਆਰਥੀਆਂ ਵਿਚ ਸਮਝ ਪੈਦਾਕਰਨੀ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਕੋਸ਼ਕਾਰੀ ਪ੍ਰਤੀ ਜਾਣੂਕਰਵਾਉਣਾ।
- ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹਾਂ ਦੀ ਸਹੀ ਵਰਤੋਂ ਕਰਨ ਪ੍ਰਤੀ ਸਮਝ ਪੈਦਾਕਰਨਾ।

➤ **Subject: Sociology**

- To understand the Concept of “**Socialization**” (Meaning, Definition, Process, Stages, Agencies), Theories of Socialization. (Cooley, Sigmund Freud)
- To know the Concept of “**Culture and Cultural Lag**” (Meaning, Definition, Features. Types and Criticism)
- To understand the Concept of “**Social Stratification**” (Meaning, definition, features and types)
- To know the Concept of “**Social Mobility**” (Meaning, definition and types)
- To understand the Concept of “**Social Control and Agencies of Social Control**” (meaning, definition, significance, Formal, Law, Informal: Folkways and Mores).
- To know the Concept of “**Social Disorganization**” (Meaning and Forms: Corruption, Crime and Terrorism).
- To understand the Concept of “**Social Change**” (Meaning and Forms: Evolution, Revolution, Progress and Development).
- To know the concept of “**Factors of Social Change**” (Demographic, Education, Industrialization, Legislation and Urbanization).
- To understand the Concept of “**Processes of Change**” (Sanskritization, Westernization, Modernization, Secularization and Globalization).
- To know the Concept of “**Agencies of Challenges of Social Change**” (Dowry, Domestic Violence, Divorce, Problems of Elderly, Female Feticides).
- To understand the Concept of “**Social Research**” (Meaning, Definition, Merits, Importance and Objectives)
- To know the concept of “**Scientific Method**” (Meaning, Definition, Characteristics, Steps, Types and Qualities of a good researcher).
- To understand the Concept of “**Research Design**” (Meaning, Definition and Types)
- To know the Concept of “**Agencies of Challenges of Sampling**” (Meaning, Definition, Merits & Demerits, Types, Use of sampling method in social research)
- To understand the Concept of “**Observation**”, “**Schedule**”, “**Interview**” and “**Mailed Questionnaires**”.
- To know the Concept of “**Classification and Tabulation**”, “**Editing, Coding and Report Writing**”, “**Case Study Method**”.

➤ **Subject: Physical Education**

- The students can be eligible for B.P.Ed., Diploma in Physical Education, Jobs in fitness centers .
- Students will understand the importance of sound health and fitness principles
- Students will expose to variety of activities providing them the opportunity to utilize physical activities as tool to manage stress
- Students will demonstrate proficiency through knowledge and acquires skills enabling them to assess individual levels of fitness components.

➤ **Subject: English (General and Elective)**

- Student will heighten their awareness of correct usage of English grammar in writing and speaking.
- Students will improve their speaking ability in terms of fluency.
- Students will enlarge their vocabulary.
- Student will enhance knowledge in various English literature module.

Department of Computer Science

Course Offered: BCA and B.Sc(Comp Sci.)

➤ Subject: Database Management System & Oracle

After undergoing this modules both practically and theoretically the participants should be able to :

- Understand, appreciate and effectively explain the underlying concepts of database technologies.
- Design and implement a database schema for a given problem-domain
- Normalize a database
- Populate and query a database using DML/DDL commands
- Declare and enforce integrity constraints on a database using a state- of- the- art RDBMS
- Perform programming in PL/SQL including stored procedures, functions, cursors, Triggers and packages.
- Design and build a GUI application using a 4GL.

➤ Subject: Computer Oriented Numerical & Statistical Method

- Concept cause & consequence of errors in the application of numerical computing.
- Numerical techniques for solving various problems.
- Applications of statistics & probability in real life domain

➤ Subject: Introduction to Digital electronics

- Explain concepts and terminology of digital electronics.
- Application of logic to design and creation, using gates, to solutions to a problem.
- Use DeMorgan's Theorem to simplify a negated expression.
- Formulate and employ a Karnaugh Map to reduce Boolean expressions and logic circuits to their simplest forms.
- Design and implement combinational logic circuits using reprogrammable logic devices.
- Learn Binary Arithmetic; Boolean Algebra; Algebraic Representation of Logic Circuits.

➤ Subject - Computational problem-solving using python

- Describe the Numbers, Math functions, Strings, List, Tuples and Dictionaries in Python
- Express different Decision-Making statements and Functions
- Interpret Object oriented programming in Python
- Understand and summarize different File handling operations

- Explain how to design GUI Applications in Python and evaluate different database operations
- Design and develop Client Server network applications using Python

➤ **Subject – Web Technologies**

At the end of this course the successful student will be able to:

- Apply a structured approach to identifying needs, interests, and functionality of a website.
- Write well-structured, easily maintained, standards-compliant, accessible HTML code.
- Write well-structured, easily maintained, standards-compliant CSS code to present HTML pages in different ways.
- Select appropriate HTML, CSS, and JavaScript code from public repositories of open-source and free scripts that enhances the experience of site visitors.

➤ **Subject – System Software**

At the end of this course the successful student will be able to:

- Identify and understand different phases and passes of compiler and their functioning.
- Understand the concept of syntax analysis and to solve the problems of predictive parsing.
- Differentiate between top down and bottom up parsing and understand syntax directed translation techniques.
- Apply code optimization and code generation techniques

➤ **Subject-Software Engineering**

Students will able to:

- Define various software application domains and remember different process model used in software development.
- Explain needs for software specifications also they can classify different types of software requirements and their gathering techniques.
- Convert the requirements model into the design model and demonstrate use of software and user interface design principles.
- Justify role of SDLC in Software Project Development and they can evaluate importance of Software Engineering in PLC.
- Generate project schedule and can construct, design and develop network diagram for different type of Projects. They can also organize different activities of project as per Risk impact factor

Department of Commerce

Course Offered: B.COM and M.Com

- Students will study about principles of accounting, money & banking systems, economic theory, knowledge about business, micro & macroeconomics and management etc.
- Learn different tools and techniques related to Security Market
- Develop finance management skills & build up specialist knowledge within selected area.
- Students will learn the working of Security Market
- Gain knowledge of Research Methodology.
- Gain knowledge relating to Banking system.
- Gain Knowledge of Income Tax Procedure
- Students will learn various statistical Techniques
- Students will be able to understand various laws related to corporate sector
- Students will develop the ability of understanding of organizational behavior and structure.

Course Offered: M.Com

- Students will study about principles of accounting, money & banking systems, economic theory, knowledge about business, micro & macroeconomics and management etc.
- Improve finance management skills & build up specialist knowledge within selected area.
- Learn different tools and techniques related to Security Market.
- Carry out experimentations in the field of Security Market.
- Gain a thorough knowledge in the subject to be able to work in projects at different research as well as academic institutions and in business field.
- Learn knowledge relating to electronic money, electronic payment system and E-Commerce
- Gain knowledge relating to Banking system.
- Students will learn about contemporary issues of accounting.
- Students will get knowledge about the business environment.

Department of Economics

Course Offered: B.Sc (Eco)

➤ **Subject-Economics**

- Students will understand and demonstrate core micro-economic terms, concepts, and theories.
- Students will be able to analyze data to solve complex economic problems.
- Students will understand and demonstrate core macro-economic terms, concepts, and theories.
- Students will be able to describe how economic trade-offs and social values impact public/private policy.
- Students will be able to demonstrate an ability to conceptualize problems analytically.
- Students will be able to demonstrate ability to analyze an economic situation involving an issue of social responsibility, and defend or critique a course of action.
- Students will be able to identify the sources of comparative advantage for a country in its external and internal environment, and formulate or critique a countries strategy.

➤ **Subject: Mathematics**

- Understand mathematics education as an academic and research field.
- Discuss the nature of mathematics with reference to pure and applied mathematics.
- Students will acquire problem-solving skills in a broad range of mathematics.
- Students will be able to produce and judge the validity of rigorous mathematical arguments.
- Students will be able to communicate mathematical ideas and arguments, both written and orally.
- Students will be prepared to use mathematics in their careers.
- Recognize and appreciate the connections between theory and applications.

➤ **Subject: Quantitative Techniques**

- Understand various quantitative & statistical methods
- Understand data and draw inference from data
- Calculate and interpret statistical values by using statistical tool (correlation & regression)
- Demonstrate an ability to apply various statistical tool to solve business problem
- Students will be able to understand some basic mathematical terms and their application in economics like integration and differentiation.

Department of Science

Course Offered: B.Sc (Medical and Non Medical)

➤ **Subject: Zoology**

- **Knowledge and Understanding:** Apply a basic core of scientific and quantitative knowledge. To make understanding of students regarding various microorganisms.
- **Intellectual Cognitive /Analytical skills:** To enhance understanding of cell structure and function at the molecular level and different classes of vertebrates. To make students familiar with the events that leads up to fertilization.
- **Practical skills:** Develop and maintain a notebook of laboratory records.
- **Transferable skills:** Utilize laboratory skills to enhance understanding of cell structure and function while participating in a group environment, To understand the diversity of vertebrates.

➤ **Subject: Physics**

- The student will demonstrate a scientific knowledge of the core physics principles in Mechanics, Electromagnetism, Modern Physics, and Optics.
- The student will determine the appropriate level of technology for use in:
 - Experimental design and implementation,
 - Analysis of experimental data,
 - Numerical and mathematical methods in problem solutions.
- The student will effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through a variety of oral, written, and computational modalities.
- The student will demonstrate a purposeful knowledge of scientific literature and ethical issues related to physics.

➤ **Subject: Chemistry**

- Acquire knowledge and understanding of essential facts, concepts, principles and theories relating to the Inorganic Chemistry.
- To develop skills to evaluate, analyze and solve problems competently.
- The students will be able to pursue their career objectives in higher education, scientific research and teaching.
- This course will equip the students with the necessary chemical knowledge concerning the fundamentals in the basic areas of Physical chemistry.
- To develop skills to evaluate, analyze and solve problems competently.
- To develop skills to devise uses of inorganic compounds in medicine and industry.

➤ **Subject: Botany**

- The Students will understand various Angiosperm plant habits.
- Learn about vegetative and reproductive structural features of Angiosperms.
- Understand various modifications and its purpose in plant parts
- Comprehend the concepts of plant taxonomy and classification of Angiosperms.
- Learn about various Angiosperm families and its economic value
- The students will learn about the basic concepts in anatomy.
- Understand the various components of stem and wood during its secondary growth.
- To be enlightened about the mechanism of pollination and basic structure of the embryo
- The students will be able to understand the structure and reproduction of certain selected algae, fungi and bryophytes
- Learn about the importance of the plant diversity.
- They will know the economic values of this lower group of plant community.
- Learn few representatives of fossil forms.
- The students will understand the relationship of complementary metabolic pathways such as photosynthesis in energy acquisition
- The students will be strengthened to promote mushroom cultivation through good laboratory techniques.
- To Provide with appropriate training personnel for the promotion of mushroom production in the college.
- The students will learn about how to prepare suitable soil media for potting up, seedling and cutting
- To be able to impart the skills like germinating seed and transplant seedlings and cutting into pots.
- To understand the entrepreneurial skills in nursery technology

Diploma in Cosmetology

Programme Outcome:

Upon completion of the program students will be able to Identify career and continuing educational options in the field of cosmetology and plan action towards achieving those goals and objectives.

Apply theories, principles, and concepts to learn additional skills needed as a cosmetologist. They can exhibit strong and effective written and oral communication skills, critically consider, analyze and research special issues in cosmetology and their effects on society, Recognize the importance of and practice ethical behavior in a professional work setting, both within the work force and within the community.

Course Outcomes

1. Cosmetology is the study and application of beauty treatment. It is the science which focuses on making people look good. It comprises many branches which include beauty therapy and treatments for face, hair, body and overall health care.
2. A cosmetologist is an expert in makeup, skin care and beauty products. He or she provides beauty services that include cosmetic care for hair, skin and body.
3. Students who are interested to become a cosmetologist need to obtain certain educational and licensing requirements. With the right educational qualification and license, cosmetologists can work in several industries and may also be self-employed.
4. The job roles range from the regular haircut, hair wash, perming, styling, colouring, and hair extensions to manicure, pedicure and facials
5. The career possibility in the industry of beauty is endless. This industry offers various careers for these professionals to excel and grow. It is a lucrative career option with earnings increasing with experience and reputation Trained cosmetologists find well paid jobs in beauty parlours, high-end salons and in luxurious hotels/resorts Makeup professionals are always in demand in television and film industries
6. Beauty therapists give treatment for the face, hair, skin, and the body. Threading, facials, massages, skin treatments, manicure and pedicure are all included in Beauty therapy. They also advice on skin care, make up, hair style.
7. Beauticians specialize in doing make up for marriages, for TV and film performances and special occasions.
8. Specialized areas of work are electrolysis, permanent make-up used to give a permanent lip-line or eye-line, aroma therapy which uses fragrances and essences for beauty treatment, etc.
9. Beauty advisors market cosmetics, help customers identify the skin/ hair type and give advice on how to treat minor ailments. They give advice on the use of cosmetics, general health/fitness advice, treatment and training is given in yoga/aerobics/health clubs by specialists in fitness and exercise.
10. Hair stylists/hair dressers specialize in hair care, cutting, styling and setting.
11. Cosmetologists study everything related to beauty from daily care to specialized techniques that enhance the appearance.

BACHELOR OF LIBRARY & INFORMATION SCIENCE

Programme Outcomes :

After the completion of this programme the student will be in a position to work at lower and middle managerial positions in all types of libraries, viz. academic, public or special. They will have competencies to perform day to day housekeeping operations and provide library services such as circulation, reference and information services to users of a library. Additionally, they will be in a position to design and develop information retrieval systems specific to the needs of a small community of users. Another outcome of the programme is to develop a strong foundation and inspiration for higher-level courses in library and information science.

Course Outcomes:

1. Foundation of Librarianship:

CO: After completion of this course, the student will be in a position to understand the definition, history and purpose of the library. The students will be in a position to draft library legislation for a state. Further, they will be aware of the role of professional associations and the standard professional ethics of librarianship.

2. Knowledge Organization Classification:

CO: The outcome of this course is that the student after completion of the course will be in a position to understand the basic concept of organisation of knowledge. They will be able to differentiate between the various library classification schemes. Further, they will have an understanding of the theoretical foundation of the purpose, features and types of library catalogues.

3. Knowledge Organization Classification Practical:

CO: After completion of the course, the student will be in a position to build the classification numbers after the subject analysis of documents using the Colon Classification scheme and Dewey Decimal Classification scheme. Further, they will be aware of classifying documents having simple, compound and complex subjects.

4. Information Technology-Basics:

CO: The outcome of this course is that the student after completion of the course will be in a position to understand the basics of information communication and technology relevant to librarianship and information management. Further, they will be aware of the latest technological advancements in the field of ICT such as databases, search engines and the Internet.

5. Information Technology: Basics – Practical:

CO: After completion of this course, the student will be in a position to practically use and implement the basics of information communication and technology to librarianship and information management. Further, they will be aware of the features of the latest Operating Systems, Office management software and web page designing. They will be having the competence to create library websites using CMS and design office documents.

6. Management of Libraries and Information Centres:

CO: After completion of this course, the student will be in a position to understand the basics of management and how management principles are applied in library management. Further, they will have the ability to perform the basic housekeeping operations, prepare budget documents and perform the stock verification. They will be acquainted with the basics of collection management and Human resource management.

7. Library Cataloguing:

CO: After completion of this course, the student will be in a position to understand the concept of library catalogue, comprehend various inner and outer forms of library catalogue, understand the main and added entries of library catalogue, understand various approaches of deriving subject headings, know about the normative principles of cataloguing, understand the concept of co-operative and centralized cataloguing, explain the current trends in library cataloguing and know the standards for bibliographic interchange and communication.

8. Information Sources and Services (Theory):

CO: After completion of this course, the student will be in a position to understand the broad range of information sources and services available in various subject areas. Further, they will have the ability to evaluate and suggest authentic and useful information sources to library users. They will be having expertise in providing reference services to users of a library.

9. Information Sources and Services–Practical:

CO: After completion of this course, the student will be in a position to practically evaluate information sources, viz. primary, secondary and tertiary level. Further, they will have the ability to make informed decisions regarding the purchase of information sources for a library. They will have the competence to prepare bibliographies, current awareness lists and news clippings.