VAISH COLLEGE, BHIWANI

(Affiliated to Chaudhary Bansi Lal University, Bhiwani)

2.6 Programme Outcomes(POs)/Programme SpecificOutcomes/Course Outcomes(COs)

(UG & PG Session 2021-2022)

ESTD. 1944

S.No	Class	Web Link
1	**B.Sc Chemistry Semester: I-VI**	https://design.cblu.ac.in/syllabi/
2	**B.Sc Physics Semester: I-VI**	https://design.cblu.ac.in/syllabi/
3	**B.Sc./B.A Mathematics Semester: I-VI**	https://design.cblu.ac.in/syllabi/
4	**B.Sc. Computer Science/Bachelor of Computer Applications Semester: I-VI**	https://design.cblu.ac.in/syllabi/
5	**B.Sc Botany Semester: I-VI**	https://design.cblu.ac.in/syllabi/
6	**B.Sc Zoology Semester: I-VI**	https://design.cblu.ac.in/syllabi/
7	**B.A Psychology Semester: I-VI**	https://design.cblu.ac.in/syllabi/
8	**B.A History Semester: I-VI**	https://design.cblu.ac.in/syllabi/
9	**B.A Political-Science Semester: I-VI**	https://design.cblu.ac.in/syllabi/
10	**B.A Sanskrit Semester: I-VI**	https://design.cblu.ac.in/syllabi/
11	**B.A English Semester: I-VI**	https://design.cblu.ac.in/syllabi/
12	**B.A Economics Semester: I-VI**	https://drive.google.com/file/d/1sMpGNiaTwdcTtiAq6srrgkfgIuoy62qc/view
13	**B.A Hindi Semester: I-VI**	https://design.cblu.ac.in/syllabi/
14	**B.Com. CA/ASM/Pass Course Semester: I-VI**	https://design.cblu.ac.in/syllabi/
15	**B.B.A Semester: I-VI**	https://drive.google.com/file/d/1xqtINbbOcUtEKlOD3UbO7fexKAAVqTmc/view
16	**M.A Hindi Semester: I-IV**	https://drive.google.com/file/d/1EkCoktcXope7Hv-xhJFY9C79WRpTiTFy/view
17	**M.Sc. Mathematics Semester: I-IV**	https://drive.google.com/file/d/1Z-nBIGrVpzIq6bcCO7DdaJ6N_YcGlGap/view
18	**M.Com.**	https://drive.google.com/file/d/1DssU33j9eGpF8hQZDFBR4hvsMg7BbfSJ/v

	Semester: I-IV	iew
19	**M.Sc. Computer Science**	https://drive.google.com/file/d/1rAb2anIVm91uuE3whrQ8MnKfV4RwmXmh/view

VAISH COLLEGE, BHIWANI

(Affiliated to Chaudhary Bansi Lal University, Bhiwani)

Programme Outcomes(POs)/Programme Specific Outcomes/Course Outcomes(COs):

Course: Bachelor of Science	
Subject: Chemistry	
Semester: I-VI	
Web Link	https://design.cblu.ac.in/syllabi/
Programme Outcomes(POs)	
Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
Problem Solving	Capability of applying knowledge to solve scientific and other problems
Individual and Team Work	Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings
Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development
Ethics	Apply ethical principles and professional responsibilities in scientific practices
Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects
Programme Specific Outcomes(POs)	
• Acquire good knowledge about the fundamentals and applications of chemical and scientific theories. • All branches of Science and Technology are related to Chemistry. • Easily assess the properties of all elements discovered. • Will become familiar with the different branches of chemistry like analytical, physical,	

organic, inorganic, environmental and polymer.

- Will help in understanding the causes of environmental pollution and can open up new methods to control environmental pollution.
- Will develop analytical skills and problem-solving skills requiring application of chemical principles.
- Have the ability to synthesize, separate and characterize compounds using laboratory and instrumentation techniques.

Course Outcomes(COs)

- States the postulates of quantum mechanics and Schrodinger equation to explain the structure of hydrogen atom.
- To study and explain the Radial and angular nodes and their significance in describing shapes of s,p and d orbitals.
- Know about Spin quantum numbers and magnetic quantum numbers and their significance.
- Have knowledge about Electronic configuration, Effective nuclear charge and slater's rule.
- To learn about Role of temperature and pressure to establish the state of gases and describe the Concept of critical temperature, pressure and volume of real gases
- To understand the Maxwell distribution law and various parameters associated with collisions ideal gas molecules
- To study the Physical properties of liquids like surface tension, viscosity and their measurements
- Have sound knowledge of the basic organic chemistry like electron displacement effects with suitable examples.
- Get information about the types of structural and stereoisomers, optical isomerism, and different nomenclature like D/L, RScis/trans, E/Z etc. of various organic compounds.
- To gain knowledge about Preparation of standard solutions used in the lab.

Course: Bachelor of Science	
Subject: Physics	
Semester: I-VI	
Web Link	https://design.cblu.ac.in/syllabi/
Programme Outcomes(POs)	
Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
Problem Solving	Capability of applying knowledge to solve scientific and other problems
Individual and Team Work	Capable to learn and work effectively as an individual , and as a member or leader in diverse teams, multidisciplinary settings
Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitive and to understand the importance of sustainable development
Ethics	Apply ethical principles and professional responsibilities in scientific practices
Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects
Programme Specific Outcomes(POs)	
• Acquire an in-depth understanding and knowledge of the basic concepts of physics and be able to appreciate how diverse phenomena observed in nature follow from a small set of fundamental laws through logical reasoning.	

- Be capable of understanding the core physical laws to understand the basic concepts, latest progress and applications of certain sub fields such as nuclear physics, spectroscopy of atoms & molecules, solid state physics, computational physics & electronics.
- Gain hands-on skills for carrying out basic experiments as well as experiments related to different fields of Physics and attain abilities of critical thinking, problem mapping & solving using fundamental principles of Physics, systematic analysis & interpretation of results.
- Have a new perspective to look at everything from 'Scientific' point of view that enabling them to pursue higher studies at postgraduate & research level
- Have awareness of the impact of Physics in social, economical and environmental issues.

Course Outcomes(COs)

- Learn the concept of conservation of energy, momentum, angular momentum and apply them to understand the basic problems in physics.
- Understand and explain the Hamilton's variational principle, derive Lagrange's equation of motion from Hamilton's principle and be able to apply these principles to derive the Lagrangian and Hamiltonian for various simple mechanical systems such as Linear Harmonic oscillator, Simple pendulum, Atwood's machine.
- Hands on experience with different instruments and appreciate the beauty of different concepts and related experiments in Physics.
- Explain and differentiate the vector and scalar formalisms of electrostatics. Also be able to Apply Gauss's law of electrostatics to solve a variety of problems.
- Understand the complex electrical networks analysis using different network theorems.
- Hands on experience with the uses of multimeter.
- Understand the basic concepts of thermodynamics, the first and the second law of thermodynamics, Joule Thomson effect, Joule-Thomson (Porous plug) experiment, the concept of entropy and the associated theorems, calculations of entropy of reversible & irreversible process, T-S diagram and Nernst heat law (third law of thermodynamics).
- Understand the need and application of Quantum Statistics: Bose-Einstein & Fermi-Dirac statistics and be able to articulate the connection as well as dichotomy between classical statistical mechanics and quantum statistical mechanics.
- Learn and understand the different law's and theory of specific heat of solids and their significance.

- Hands on experience with different instruments and appreciate the beauty of differentconcepts and related experiments in Physics.

Course: Bachelor of Science/ Bachelor of Arts	
Subject: Mathematics	
Semester: I-VI	
Web Link	https://design.cblu.ac.in/syllabi/
Programme Outcomes(POs)	
Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
Communication	Ability to communicate effectively on general and scientifictopics with the scientific community and with society at large
Problem Solving	Capability of applying knowledge to solve scientific and other problems
Individual and Team Work	Capable to learn and work effectively as an individual, and as amember or leader in diverse teams, in multidisciplinary settings.
Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
Science and Society	Ability to apply reasoning to assess the different issues related tosociety and the consequent responsibilities relevant to the professional scientific practices
Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout the life
Environment and Sustainability	Ability to design and developmodern systems which are environmentally sensitive and to understand the importance of sustainable development.
Ethics	Apply ethical principles and professional responsibilities inscientific practices
Project Management	Ability to demonstrate knowledge and understanding of thescientific principles and apply these to manage projects
Programme Specific Outcomes(POs)	

- Have basic understanding and knowledge in different core areas of Mathematics such as algebra, analysis, calculus, differential equations, mechanics, numerical analysis and in some of the other elective areas. Demonstrate understanding of the concepts /theories/methods from such areas of Mathematics.
- Have **a** broad background in Mathematics and develop the essential mathematical reasoning, knowledge, skills and aptitude to pursue further studies and research inMathematics.
- Communicate mathematics effectively and precisely by written, computational and graphical means.
- Apply knowledge, understanding, methods, techniques and skills of Mathematics to analyse, evaluate and solve problems of Mathematics and/or the mathematical problems having

applications in engineering/science/technology/life sciences/social sciences so as to enhance career prospects in different fields.

Course Outcomes(COs)

- Understand the basic concepts of ordinary differential equations and to learn various techniques of finding exact solutions of certain solvable first order differential equations. and.
- Develop the skills of solving homogeneous and non-homogeneous second order linear ordinary differential equations with constant coefficients and with variable coefficients.
- Understand total differential equations and basic concepts of partial differential equations. To learn methods and techniques for solving linear PDEs of first order.
- Apply theory of PDEs to determine integral surfaces through a given curve and to find orthogonal surfaces. To understand compatible systems and Charpit method, Jacobi method methods for solving PDEs. To learn techniques of solving second order PDEs.
- Practical problems of checking continuity and differentiability, finding maxima and minima of functions of several variables, evaluating double and triple integrals.
- Develop skills of solving ODEs and PDEs.
- Hands-on experience to find partial derivatives, total derivative and to plot graphs of functions by using built in functions of MAXIMA software.
- Understand basic concepts of real number system and set theory. Preliminary results on neighbourhood of a point, interior and limit points, open sets, closed sets etc.
- Learn real sequences, their limit, boundedness and convergence. To find convergence and divergence of a sequence. To understand Cauchy sequence, subsequence and to prove related theorems.
- Understand infinite series and its basic properties. Attain skills to determine convergence of a series of real numbers by applying various tests.

Course: Bachelor of Science

Subject: Computer Science/Bachelor of Computer Applications

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained duringcourse of study
Communication	Ability to communicate effectively on general and scientific topics with the scientificcommunity and with society at large
Problem Solving	Capability of applying knowledge to solve scientific and other problems
Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader indiverse teams, in multidisciplinary settings'
Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
Science and Society	Ability to apply reasoning to assess the different issues related to society and theconsequent responsibilities relevant to the professional scientific practices
Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learningactivities throughout the life
Environment and Sustainability	Ability to design and develop modern systems which are environmentally sensitiveand to understand the importance of sustainable development.
Ethics	Apply ethical principles and professional responsibilities in scientific practices
Project Management	Ability to demonstrate knowledge and understanding of the scientific principles andapply these to manage projects

Programme Specific Outcomes(POs)

- Students will be able to acquire the basic understanding of the principles and working of the
- hardware and software aspects of computer systems.
- Explore technical knowledge in diverse areas of Computer Science and experience an environment conducive in cultivating skills for successful career, entrepreneurship and higher studies.
- Papers such as C++, JAVA, Python, Web designing give an effective and efficient real time solution in various domains.

Course Outcomes(COs)

- Learn the concepts of algebraic methods and find solutions of polynomial equation.
- Apply numerical methods to obtain approximate solutions to mathematical problems.
- Fit curves & find correlations.
- Solve statistical problems probability distributions.

- Understand and characterize various types of computer networks along with an overview of the standardOSI and TCP/IP reference models that illustrates the network architecture;
- Have a comprehensive understanding of data communication and basic terminology along with itshardware components.
- Conceptualize the various design issues related to data link layer.
- Get familiar with routing and security issues related to computer networks and the solutions forhandling security related problems in networks
- Understand Linux architecture;
- Ability to use various Linux commands that are used to manipulate system operations.

Course: Bachelor of Science

Subject: Botany

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

Knowledge	To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
Communication	To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
Problem Solving	To create awareness on ethical issues, good laboratory practices and biosafety.
Individual and Team Work	To develop ability in youth for understanding basic scientific learning and effective communication skills.
Investigation of Problems	To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
Modern Tool usage	To make students aware of natural resources and environment and its sustainable utilization.
Science and Society	To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes(POs)

- The students will be able to identify the various plants and compare the diagnostic characteristics of lower and higher groups of plants. This comparative approach will help the students to explain the evolution and degree of genetic diversity in plants.
- The students will be able to explain the various biological processes in plants and how they are sustained and regulated at the cellular and molecular levels. Students will also be able to understand the ecology, development, and behavior of different forms of life.
- The students will be able to describe and demonstrate the different experimental techniques and methods in various fields of plant sciences.
- The students will also strengthen their ethical and moral values and shall be able to deal with psychological weaknesses. Students will also learn team workmanship in order to serve the institutions, industry, and society efficiently.
- The students will possess minimum standards of communication skills expected from a Botany graduate in the country. They will also become acritical thinker and acquire problem-solving capabilities.
- This programme will help the students in finding career opportunities in higher education in the field of plant sciences and other entrepreneurship programmes.

Course Outcomes(COs)

- Understand the general characters, economic importance and life-cycles of various groups of general microbes, algae and fungi.
- Learners will also be able to explain their impact on environment, human welfare androle in industries.

- Understanding the evolutionary significance of these organisms, in terms of phylogenetic implications on thallophyta.
- Understand the general characters, economic importance and life-cycles of various groups of Bryophytes and Pteridophytes.
- Explain their role in environment, human welfare and industrial applications.
- Understanding the evolutionary significance of these plants.
- Explain the concept of ecology and the influence of different environmental factors: climatic,
- Physiographic and edaphic factors on plant life system.
- Comprehend the concept of phytogeographic zonation of India, biodiversity and its conservation.
- Discuss the essentials of plant taxonomy and taxonomic hierarchy.

Course: Bachelor of Science

Subject: Zoology

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

Knowledge	To develop skills in graduate students to be able to acquire theoretical and practical knowledge in fundamentals of biology in respective disciplines of plants, animals, microbes and environment.
Communication	To inculcate ability to critically evaluate problems and apply lateral thinking and analytical skills for professional development.
Problem Solving	To create awareness on ethical issues, good laboratory practices and biosafety.
Individual and Team Work	To develop ability in youth for understanding basic scientific learning and effective communication skills.
Investigation of Problems	To prepare youth for career in teaching, industry, government organizations and self reliant entrepreneurship.
Modern Tool usage	To make students aware of natural resources and environment and its sustainable utilization.
Science and Society	To provide learning experience in students that instills deep interest in biological science for the benefit of society.

Programme Specific Outcomes(POs)

- Students will gain knowledge to develop acquaintance of animal species around them and variations in their life cycles/biology and their interaction with the environment.
- Young students will be also be apprised about likeness between the physiological processes at the cellular and organismic levels.
- Youth will be capable of using knowledge of subject and analytical methods in identifying and solving various complex situations of living forms and environment taking into consideration ethics and responsibilities.
- Teaching of this subject will also develop ability in youth to have understanding of basic Zoology with effective communication ability.
- This PG programme will develop youth who is aware of natural resources and their sustainable utilization.
- This programme will develop personnel who can be capable of doing Masters in the subject and can develop career as teacher, in industry or as entrepreneur in the realms of the subject.

Course Outcomes(COs)

- Student will be able to describe unique characters and recognize life functions of phylum Protozoa, Porifera, Coelenterate and Helminthes
- Will be capable to identify the diversity and ecological role of phylum Protozoa, Porifera, Coelenterate and Helminthes.
- Student will be able to describe unique characters and recognize life functions of Phylum Annelida up to Hemichordata.
- Will be capable to identify the diversity and ecological role of Phylum Annelida up to

Hemichordata.

- Students will be capable of identifying the characters and classification of invertebrates species.
- Students will be able to realize and explain ecological and economic importance of different invertebrate species
- Through this core course the students will be capable of identifying different protochordate and will be capable of Imparting conceptual knowledge of protochordates, their adaptations and associations in relation to their environment.
- Will be able to understand the basic concepts of evolutionary relationship among protochordates and fishes.
- Students will be able to understand evolutionary lines of vertebrate class including amphibians, reptiles, birds, and mammals.
- Students will be able to identify (based on morphological characters) and understand adaptations in vertebrate class including amphibians, reptiles, birds, and mammals.

Course: Bachelor of Arts

Subject: Psychology

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
2. Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
3. Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages.
4. Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories.
5. Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them.
6. Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency.
7. Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force.
8. Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes(POs)

- Students will be able to acquire and explore understanding of different theoretical concepts for study of human behavior
- Students will be able to acquire understanding of main psychological processes, domains of human development and theoretical understanding of various mental disorders.
- Students will be able to handle psychological tools and demonstrate ethical application of skills in Psychological testing, Counselling and other helping areas.
- Students will be able to have empirical understanding of different psychological phenomena for promotion of health and well -being.

Course Outcomes(COs)

- Acquaint with various measuring instruments.
- Conduct tests related to their theory paper.
- Acquaint with the main symptoms and sources of stress
- Learn different ways of coping with stress.
- Develop appreciation for decision making in life
- Develop skills for decision Making in various domains of daily life.
- Inculcate knowledge regarding various principles of Social Psychology.
- Get exposure regarding strategies of dealing with Social issues.
- Get awareness regarding different domains of Adolescent development.
- Develop insight regarding different issues and coping strategies.

Course: Bachelor of Arts

Subject: History

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. There are different scopes in different areas like sericulture department as demonstrator, care taker of the farm, trainer for others, etc.
2. Archeologist: Archeological Survey of India with private Firms related to archeology.
3. Historian: With so much debate over the authenticity of historical books, there is ever increasing demand for historians.
4. Public Service: for history graduates, the option of public service like UPSC, HPSC, Banking, Police Department, Army, etc. are always opened.
5. Teacher: After BA in history one can always find employment as a history/social science teacher.
6. Social Worker/Subject Expert: Nowadays a lot of publishing houses seek subject matter experts for the publication of school textbooks or supplementary reading materials.
7. Travel and Tourism Expert: With an extensive knowledge of history and historical monuments, history graduates can work as a travel expert for tourism spot of historical importance.

Programme Specific Outcomes(POs)

- To introduce the students to the major element of politics and administration in Ancient India.
- It intends to present and overview of changes in historical context.
- A few introductory lectures on the meaning and scope of history, expansion of Harappan civilization, Vedic polity, Mauryan polity, Post-Mauryan State, expansion of Gupta Empire, rise of Rajput power.
- Invasions of Mahmood Ghaznavi and Muhammad Ghori would be required to commence the paper.

Course Outcomes(COs)

- List the sources and evidence for reconstructing the history of Ancient India.
- Discuss the main features of Harappan and Saraswati Civilization.
- Analysis Vedic polity and state, rise of Magdha Empire.
- Examine the Mauryan polity under Chandra Gupta Maurya and Ashoka.
- Discuss the Achievements of Kushanas and Satvahanas.
- Examine the expansion of Gupta Empire under Samudragupta and Chandragupta- II.
- Describe the achievements of Harshvardhana, Chalukaya and Kushana.
- Explain the rise of Rajputs and Invasions of Mahmood Ghaznavi and Muhammad Ghori.

Course: Bachelor of Arts

Subject: Political-Science

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
2. Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
3. Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;
4. Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;
5. Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;
6. Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;
7. Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;
8. Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes(POs)

- Honing of critical faculties of students for the examination of political phenomena.
- The students shall be able to develop an understanding of political events, institutions and processes with the ability to suggest remedies for the challenges therein.
- The students shall be able to develop an enhanced sensitivity to social and political issues so as to become active members of the citizenry.
- The students shall be able to demonstrate the conceptual and theoretical understanding of politics for the analysis of political behaviour.

Course Outcomes(COs)

- Understand the meaning, nature and significance of Political Theory.
- Develop a deeper understanding of concepts related to Political Theory.
- Critically analyse various ideologies like Marxism, Liberalism, Feminism, Ecologism.
- Comprehend the importance of debates like Protective discrimination and Citizenship
- Understand the philosophy of Indian Constitution.
- Comprehend the functioning of Legislature, Executive & Judiciary.
- Develop a deeper understanding of Centre – State relations.
- Analyse the role of Caste, Religion, Region in Indian Politics.
- Understand the nature, scope, development of international relations.
- Comprehend the major approaches of international relations like idealism, realism, liberalism and Marxism.

Course: Bachelor of Arts

Subject: Sanskrit

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages.
2. Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
3. Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages.
4. Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories.
5. Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them.
6. Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency.
7. Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force.
8. Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes(POs)

- Enhance communication skills-Listening, Speaking, Reading, Writing.
- Students will be able to write Devnagari scripts which provide them paleographical knowledge to read out the script of modern languages like Hindi and Marathi.
- Increase in depth knowledge of the Core Areas of the subject.
- Students will demonstrate the skill needed to participate in conversation that builds knowledge with collaboration.
- Reasonable understanding of multi-disciplinary relevance of literature of Sanskrit like Veda, Philisophy, Grammar, Kavya, Smitisastra etc.
- To make them eligible for higher education.
- Develop research aptitude and independent thinking
- After becoming graduate students can apply in the field of UPSE, WBCS etc. And also after postgraduation they can apply against teaching posts in schools, colleges and other educational institutions.

Course Outcomes(COs)

- They should general introduction of Indian Petrology and definitions and examples of various artharlankara. The students would learn about the ancient Indian Educational system and Polity, their nature, concepts through the text of Dharmasastra and Arthasastra.
- The students would know about the historical importance of Indian Epigraphy, Paleography, Chronology and Inscription.
- They will be able to know the importance, propagation across the world of this language.
- Students would know about the Vedic mantras, their application, Vedic grammar, socio-cultural life.

- Grammar is very important part of this language for the making of sentences, to know appropriate meaning of texts, oral communication and perfection.

Course: Bachelor of Arts

Subject: English

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. Demonstrate a detailed knowledge and understanding of selected fields of study in core disciplines in the humanities, social sciences and languages;
2. Apply critical and analytical skills and methods to the identification and resolution of problems within complex changing social contexts.
3. Demonstrate a general understanding of the concepts and principles of selected areas of study outside core disciplines of the humanities, social sciences and languages;
4. Apply an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories;
5. Articulate the relationship between diverse forms of knowledge and the social, historical and cultural contexts that produced them;
6. Communicate effectively and show ability to read, write, listen to and speak in a chosen language/s with fluency;
7. Act as informed and critically discerning participants within the community of scholars, as citizens and in the work force;
8. Work with independence, self-reflection and creativity to meet goals and challenges in the workplace and personal life.

Programme Specific Outcomes(POs)

- Create social awareness with regard to society and culture.
- Communicate in English language with proper knowledge of the language.
- Evaluate teaching learning process through various teaching aids.
- Respond to the fecundity of imagination and verisimilitude of life which constitute the cognitive and rational response to society.

Course Outcomes(COs)

- Understand the basics of grammar.
- Understand the difference of Received Pronunciation (RP) and Indian English.
- Grasp and recognize the phonetic symbols.
- Comprehend poetry and its different forms.
- Use tenses through different modules.
- Will be able to differentiate between poetry and prose.
- Perusal of short stories and essays will enrich their knowledge of tradition and culture.
- Components of grammar like Preposition, Article, Subject-verb agreement will provide close understanding of grammatical parameters
- Able to transcribe two/ three syllabled words.
- They will learn the basics of grammar and composition.

Course: Bachelor of Arts

Subject: Economics

Semester: I-VI

Web Link	https://drive.google.com/file/d/1sMpGNiaTwdcTtiAq6srrgkfgIuoy62qc/view

Programme Outcomes(POs)

- To develop skills in graduate students so that they are able to acquire theoretical and practical knowledge about economics,economy,economicbehavior,economic policies and economic institutions and economic problems.
- To inculcate ability in students for critical thinking,lateral thinking about economic phenomena,problems and policies so as to create professional potential in them
- To create awareness on ethical issues,good business practices,and ecology-economics interface
- To development ability in youth for understanding basic economic rationality and effective communication skills
- To prepare youth for career in teaching,industry,governmentorganisations and self-entrepreneurship
- To make students aware of natural resoures,sustainable use and environment
- To provide learning experience in students that instills deep interest in economic sciencefor the benefit of society.

Programme Specific Outcomes(POs)

- Demonstrate the knowledge and understanding of economic science i.e vital processes of economy,consumer and producer behavior at micro level and macro-level.
- Critically think and correlate the economics knowledge with decision-making with regard to economic planning and economic policies,understanding of conflicts and tradeoffs and welfare implications of economic measures to improve the quality of life in person as well as of community.
- Demonstrate an understanding of the principles,methods of economic analysis in static and dynamic terms,analysis of economic data.
- Concise and meaningful writing and reporting,effective presentation skills,and ability to work productively in a group with co-operation.

Course Outcomes(COs)

- Have understanding about the market, market structure, perfect competition and firm's equilibrium under it in short and long run.
- Have insight about monopoly, nature of monopoly, firm's equilibrium and price discrimination.
- Have knowledge about nature of imperfect markets viz monopolistic competition, Oligopoly, firms' strategies.
- Have understanding about the distribution and microeco theories of distribution, traditional and modern approach, determination of interest rate and wages, different theories related to interest and wages.
- Have insight about macroeconomics, nature & scope, methodology; national income and circular flow of income in economy.
- Have understanding of macroeconomic behavior in terms of classical theory of employment, Say's law, Keynes' theory of equilibrium level of income and employment, a comparison.
- Have knowledge about consumption bevaiour at macroeconomic level, Keynes' psychological law of consumption, hypotheses about long run income-consumption relationship.
- Have understanding about capital and investment, decision to invest at macroeconomic level

,determinants of induced investment.

- Have understanding about income generation process through Investment, multiplier effect and acceleration effect of income ,combined action of multiplier and acceleration effect.

Course: Bachelor of Arts	
Subject: Hindi	
Semester: I-VI	
Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)/ Programme Specific Outcomes(POs)/ Course Outcomes(COs)

1. व्यवहारिक व व्यावसायिक जीवन में भाषा का विशेषकर हिंदी भाषा का सही प्रयोग कर सकेगा। हिंदी भाषा के विकास के माध्यम से भाषा के सैद्धांतिक पहलुओं तथा उसके परिवर्तन की दिशाओं का बोध होगा।
2. समकालीन साहित्य के विविध गद्य व पद्य रूपों के माध्यम से अपने युग का बोध होगा।
3. साहित्य की विभिन्न विधाओं में रचनात्मक लेखन व संप्रेषण की क्षमता विकसित होगी।
4. साहित्य संसार व वास्तविक संसार के यथार्थ के प्रति आलोचनात्मक समझ विकसित होगी।
5. साहित्य के सौंदर्य, कला तथा वैचारिक मूल्यों के प्रति विवेक का निर्माण होगा।
6. व्यक्तित्व विकास व जीवनयापन के लिए भाषायी कौशल, कंप्यूटर, अनुवाद, पत्रकारिता, जनसंचार, रंगमंच, चलचित्र आदि के बारे में सैद्धांतिक व व्यावहारिक ज्ञान होगा।

Course: Bachelor of Commerce

Subject: CA/ASM/Pass Course

Semester: I-VI

Web Link	https://design.cblu.ac.in/syllabi/

Programme Outcomes(POs)

1. This program could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Warehousing etc.,well trained professionals to meet the requirements.
2. After completing graduation, students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all Administration abilities of the Company.
3. Capability of the students to make decisions at personal & professional level will increase after completion of this course.
4. Students can independently start up their own Business.
5. Students can get thorough knowledge of finance and commerce.
6. knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.

Programme Specific Outcomes(POs)

- The students can get the knowledge, skills and attitudes during the end of the B.com degree course.
- By goodness of the preparation they can turn into a Manager, Accountant , Management Accountant, cost Accountant, Bank Manager, Auditor, Company Secretary, Teacher, Professor, Stock Agents, Government
- employments and so on.,
- Students will prove themselves in different professional exams like C.A. , C S, CMA, MPSC, UPSC. As well as other coerces.
- The students will acquire the knowledge, skill in different areas of communication, decision making, innovations and problem solving in day to day business activities.

Course Outcomes(COs)

- Illustrate the understandingof theoretical framework of accounting and be able to prepare financial statements of business organizations with additional items.
- Prepare the financial statements for non-profit organization.
- Analyse and apply Accounting Standards according to requirements.
- Apply the knowledge and skills of accounting to prepare joint ventures.
- Exhibit the knowledge of the conceptual framework of business, commerce and management and analyse the approaches concerning management thought.
- Apply the understanding of concepts of planning and organizing functions of management.
- Assimilate and use the concepts of delegation, decentralization and staffing in organizations.
- Comprehend the concept and applications of leadership styles, and controlling practices in organizations.

- Exhibit proficiency in using different matrix methods in solving real life business and economic problems.
- Apply the understanding of the various type of interest and annuity in solving business related problems.

Course: Bachelor of Business Administration

Semester: I-VI

Web Link	https://drive.google.com/file/d/1xqtINbbOcUtEKlOD3UbO7fexKAAVqTmc/view

Programme Outcomes(POs)

Soft skills and working skills	To comprehend, communicate and execute effectively and efficiently in all of their dealings
Leadership	To develop abilities to both lead and respect the views positions and beliefs of others and to plan and manage effectively.
Innovativeness and Entrepreneurship	To explore issues and problem that needs solutions with entrepreneurial orientation
Ethics and Values	To recognize, appreciate and follow ethical standards in all walks of life
Adaptability and Sociability	Ready to understand and adapt the changing environment
Research and Analytical abilities	To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.
Practical exposure and Employability	Exposure to actual working environment leading to employability
Environmental Consciousness	In every action, dealing, service, and manifestation

Programme Specific Outcomes(POs)

- Manifest executive knowledge to handle varied business situations & tasks effectively to solve business problems.
- Identify & play effectively executive and supervisory roles in organizations.
- Understand & apply ethical principles & make value based decisions as socially responsible citizens.
- Communicate & work in teams towards organizational goals.

Course Outcomes(COs)

- Become aware of entrepreneurship opportunities available in the society for the entrepreneur.
- Develop a business plan and carry out feasibility study.
- Understand importance of innovation and creativity in entrepreneurial ventures.
- Understand governmental framework for entrepreneurial development.
- Comprehend the role of SIDBI, MSME, SHGs in entrepreneurial development.
- Apply techniques of effective goal setting, follow basic business etiquettes in corporate setting and enhance their self-esteem and confidence.
- Apply effective time management skills and enhance their reading, writing, speaking and listening skills.
- Apply techniques of self-motivation and motivation of others and adapt to changes in a better manner.

- Enhance their EQ and develop creative thinking.
- Enhance their personality for focused behaviour.

Course: Master of Arts	
Subject: Hindi	
Semester: I-IV	
Web Link	https://drive.google.com/file/d/1EkCoktcXope7Hv-xhJFY9C79WRpTiTFy/view

Programme Outcomes(POs)

Depth and Breadth of Knowledge	A systematic understanding of knowledge within the discipline and in related discipline/s, and a critical awareness of current problems and/or new insights informed by the forefront of their academic discipline.
Research and scholarship	a) A working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline. b) A treatment of complex issues and judgments based on established principles and techniques.
Level of application of knowledge	Competence in applying an existing body of knowledge in the critical analysis of a new question or of a specific problem or issue.
Awareness of limits of knowledge	Cognizance of the complexity of knowledge and of the potential contributions of other interpretations, methods, and disciplines
Professional capacity/autonomy	Acquiring and showing qualities and transferable skills necessary for employment: exercise of initiative, personal responsibility, intellectual independence, ethical behavior and academic integrity.
Level of Communication Skills	Ability to communicate effectively in presenting ideas orally and in writing (oral communication; written communication).

Programme Specific Outcomes(POs)

1. भाषा के सामान्य सिद्धांतों व हिंदी भाषा के व्यावहारिक प्रयोग का ज्ञान।
2. साहित्य संसार व वास्तविक संसार के यथार्थ के प्रति आलोचनात्मक, संवेदनशील दृष्टि व व्यक्तित्व का विकास।
3. हिंदी साहित्य की विभिन्न धाराओं व परंपराओं की समझ विकसित होगी। विभिन्न युगों, धाराओं व रचनाकारों के साहित्य की विशिष्टताओं की समझ बढ़ेगी। समकालीन साहित्य के विविध रूपों, आंदोलनों, विमर्शों के माध्यम से अपने युग का बोध।
4. साहित्य की विभिन्न विधाओं तथा जनसंचार के माध्यमों के लिए रचनात्मक लेखन की क्षमता में अभिवृद्धि। साहित्य के सौंदर्य, कला तथा वैचारिक मूल्यों के प्रति विवेक का निर्माण होगा।
5. जीवनयापन के लिए भाषायी कौशल, कंप्यूटर, अनुवाद, पत्रकारिता, जनसंचार, रंगमंच, चलचित्र आदि के बारे में सैद्धांतिक व व्यावहारिक ज्ञान।
6. भारतीय समाज और सांस्कृतिक जीवन के विभिन्न पक्षों में अन्तर्निहित एकता के तत्त्वों का परिचय व पहचान होगी। देश व समाज की एकता-अंखडता की भावना का विकास। साहित्य के माध्यम से मानवता के सार्वभौम तत्त्वों की पहचान।

Course Outcomes(COs)

- इतिहास व साहित्येतिहास लेखन के महत्व व उसके लेखन की प्रक्रिया का परिचय होगा।
- हिंदी साहित्य के विभिन्न पड़ावों, आंदोलनों की जानकारी होगी।
- मध्यकाल के विभिन्न संप्रदायों की दार्शनिक पृष्ठभूमि का ज्ञान होगा।
- भारतीय इतिहास के परिवर्तनों व उसके हिंदी साहित्य पर पड़े प्रभावों की पहचान होगी।
- आधुनिक हिंदी कविता की पृष्ठभूमि की जानकारी।
- आधुनिक हिंदी कविता संवेदना, शिल्प, सामाजिक सरोकारों से परिचय।
- आधुनिक हिंदी कविता के विभिन्न कवियों के काव्य वैशिष्ट्य का बोध।
- आधुनिक हिंदी कविता का नवजागरण और राष्ट्रीय आंदोलन से संबंधों का बोध।

Course: Master of Science	
Subject: Mathematics	
Semester: I-IV	
Web Link	https://drive.google.com/file/d/1Z-nBIGrVpzIq6bcCO7DdaJ6N_YcGlGap/view

Programme Outcomes(POs)

Knowledge	Capable of demonstrating comprehensive disciplinary knowledge gained during course of study
Research Aptitude	Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis
Communication	Ability to communicate effectively on general and scientific topics with the scientific community and with society at large
Problem Solving	Capability of applying knowledge to solve scientific and other problems
Individual and Team Work	Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
Investigation of Problems	Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions
Modern Tool usage	Ability to use and learn techniques, skills and modern tools for scientific practices
Science and Society	Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices
Life-Long Learning	Aptitude to apply knowledge and skills that are necessary for participating in learning activities throughout life
Ethics	Capability to identify and apply ethical issues related to one's work, avoid unethical behaviour such as fabrication of data, committing plagiarism and unbiased truthful actions in all aspects of work
Project Management	Ability to demonstrate knowledge and understanding of the scientific principles and apply these to manage projects

Programme Specific Outcomes(POs)

- Have deep understanding and knowledge in the core areas of Mathematics and demonstrate understanding and application of the concepts/theories/principles/ methods/ techniques in different areas of pure and applied Mathematics.
- Have capability to read and understand mathematical texts, demonstrate and communicate mathematical knowledge effectively and unambiguously through oral and/or written expressions and attain skills of computing/programming/using software tools/formulating models.
- Attain abilities of critical thinking, logical reasoning, investigating problems, analysis, problem solving, application of mathematical methods/techniques, disciplinary knowledge so as to develop skills to solve mathematical problems having applications in other disciplines and/or in the real world.

- Have strong foundation in basic and applied aspects of Mathematics so as to venture into research in different areas of mathematical sciences, jobs in scientific and various industrial sectors and/or teaching career in Mathematics.

Course Outcomes(COs)

- Understand concepts of normal subgroup, quotient group, isomorphism, automorphism, conjugacy, G-sets, normal series, composition series, solvable group, nilpotent group and refinement theorem.
- Learn about cyclic decomposition, alternating group An , simplicity of An for $n \geq 5$, Sylow's theorem and its applications.
- Understand concepts of modules, submodules, direct sum, R-homomorphism, quotient module, completely reducible modules, free modules, representation of linear mappings and their ranks.
- Learn about similar linear transformation, triangular form, nilpotent transformation, primary decomposition theorem, Jordan form, rational canonical form and elementary divisors.
- Understand the concepts of limit, continuity, differentiation and integration for functions defined over a complex plane as well as for the elementary functions.
- Solve the complex integrals of various kinds through the applications of relevant theorems, formulae and power series expansions.
- Analyse the complex functions with singularities for zeroes and residues at poles and apply the results to solve the improper integrals.
- Solve complex improper integrals through the indentation, transformation/mapping of integration paths so as to avoid singularities and branch points/cuts.
- Understand concepts of an initial value problem and its exact and approximate solutions, existence of solutions, uniqueness of solutions and continuation of solutions of an initial value problem of order one. Apply the knowledge to prove specified theorems and to solve relevant exercises
- Learn about system of linear differential equations of first order and its preliminary concepts, homogeneous and non-homogeneous linear systems, existence and uniqueness theory, fundamental matrix, theory of adjoint systems, linear systems with constant coefficients and with periodic coefficients. Attain the skill to obtain fundamental matrix of such a given linear system to demonstrate problem solving.

Course: Master of Commerce

Semester: I-IV

Web Link	https://drive.google.com/file/d/1DssU33j9eGpF8hQZDFBR4hvsMg7BbfSJ/view

Programme Outcomes(POs)

Soft Skills and Working Skills	To comprehend, communicate and execute effectively and efficiently in all of their dealings
Leadership	To develop abilities to both lead and respect the views, positions and beliefs of others and to plan and manage effectively.
Innovativeness and Entrepreneurship	To explore issues and problems that needs solutions with entrepreneurial orientation.
Ethics and Values	To recognize, appreciate and follow ethical standards in all walks of life.
Adaptability and Sociability	Ready to understand and adapt the changing environment.
Research and Analytical abilities	To explore, analyses and provide solutions on emerging issues concerning various fields including public policy.
Practical exposure and Employability	Exposure to actual working environment leading to employability.
Environmental Consciousness	In every action, dealing, service and manifestation.

Programme Specific Outcomes(POs)

- To equip the students with the ability to analyse business environment, identify business opportunities and understand the operation of commercial activities.
- To develop the analytical abilities, managerial skills and capabilities for business decision making.
- To nurture the research aptitude and use the same for solving business problems in paradigm of business ethics and social responsibility.
- The inculcate the entrepreneurial capabilities and enhance employability.

Course Outcomes(COs)

- Know the basic concept of GST.
- Understand the provisions of GST Act regarding levy and collection of GST.
- Apply the provisions for computation of GST.
- Understand the Central Excise Laws and Custom Laws.
- To develop an understanding of the conceptual framework of the Management Accounting.
- To provide the knowledge in the Management Accounting Techniques in business decision making.
- To provide understanding of the Tasks, Functions and Skills of strategic management and latest developments.
- To aware the students about principles and functions of strategic management.
- To develop knowledge about Business Finance and the background of Accounting and Management

- To make students aware about the challenges and opportunities of Financial Management

Course: Master of Science

Subject: Computer Science

Semester: I-IV

Web Link	https://drive.google.com/file/d/1rAb2anIVm91uuE3whrQ8MnKfV4RwmXmh/view

Programme Outcomes(POs)

1. Knowledge Capable of demonstrating comprehensive disciplinary knowledge gained during course of study.
2. Research Aptitude Capability to ask relevant/appropriate questions for identifying, formulating and analyzing the research problems and to draw conclusion from the analysis.
3. Communication Ability to communicate effectively on general and scientific topics with the scientific community and with society at large.
4. Problem Solving Capability of applying knowledge to solve scientific and other problems
5. Individual and Team Work Capable to learn and work effectively as an individual, and as a member or leader in diverse teams, in multidisciplinary settings.
6. Investigation of Problems Ability of critical thinking, analytical reasoning and research based knowledge including design of experiments, analysis and interpretation of data to provide conclusions.
7. Modern Tool usage Ability to use and learn techniques, skills and modern tools for scientific practices.
8. Science and Society Ability to apply reasoning to assess the different issues related to society and the consequent responsibilities relevant to the professional scientific practices.

Programme Specific Outcomes(POs)

- Provide exposure to the hardware and software environment of computer systems along with a comprehensive strengthening of computational expertise in programming languages and open source platforms.
- Enhance competency in designing and modeling software based applications with enrichment of proficiency in software design skills.
- Strengthen technical skills and professional expertise in adopting contemporary trends and technological developments for the application of innovative approaches and propositions to real-world problem scenario.
- Inspire pursuance of skillful expertise for careers in Commercial/ Government Sectors, Academics/ Consultancy/ Research and Development for technological innovations, and collateral fields related to Computer Science and Information Technology.

Course Outcomes(COs)

- Review the fundamental aspects of database along with EER model.
- Get the practical exposure to SQL and PL/SQL to implement database management system in an organization.
- Learn normalization and concurrency control techniques.
- Acquire knowledge of different kind of emerging databases in real life scenario.
- Understand the basic concepts and commands of Linux;
- Understand the file management and process manipulation in Linux.

- Understand the C environment under Linux and do the system administration and communication in Linux.
- Develop shell programs in Linux.
- Understand the basic concepts of sets, function and relations.
- Understand logics and counting principles.