

List of Programmes (Session-2018-19) & outcomes for Under Graduate/Post Graduate Course

Courses Offered by the College:

Under Graduate/Post Graduate Course	
<i>U.G. (Hons & Programme) & P.G. in Arts (English)</i>	<p><i>English:</i> The outcome of teaching learning process is the overall integrated development of the learners. 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. The course offers then to learn within and without and to merge themselves with greater interest towards society. English aims at language learning and love towards literature in English.</p>
<i>U.G. (Hons & Programme) & P.G. in Arts (Bengali)</i>	<p><i>Bengali</i> First Year BA CO1: To gather knowledge about the history of literature of Bengali language of ancient age to modern age and the value of the texts which represent the ancient age to 19th century. CO2: to know the history of Sanskrit and English literature so that they can compare Bengali literature with those and a better knowledge about literature. CO3: To get knowledge about art, culture and literature and Bengal 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 Bengali literature. Students will be acknowledged well with this type of books in this syllabus</p> <p>Second Year BA Co1: To study about art, folk drama, Bengali 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.</p> <p>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.</p> <p>MA I</p>

	<p>CO1: With the study of history of Bengali 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 of Bankura District through MA Research Project.</p> <p>MA II</p> <p>CO1: Development of understanding of the higher and advanced concepts of learning in Bengali literature in the area of Medieval age.</p> <p>CO2: Short and rapid research in the area of interest through MA Research Project.</p>
<p><i>U.G. (Hons & Programme) & P.G. in Arts (Sanskrit)</i></p>	<p><i>Sanskrit</i></p> <p>Sanskrit literature caters a fantastic blend of Vedic and classical Sanskrit literature. Excerpts from different Vedas, Upanishads and from some of the greatest literary works on prose, poetry, and drama are included extensively in the U.G and P.G syllabi of Sanskrit as the study of Sanskrit classics is the foundation for the study of one of the major and ancient civilizations of the world. It gives students a flavour of Indian literary heritage as developed gradually since the time of the Vedas.</p> <p>There are also excerpts from the important texts on poetics, literary criticism, science, technology, philosophy, polity, law, grammar, economy, religion, medicine, astronomy, art and architecture as Sanskrit is the key to most of the branches of the study of Indian civilization and the contribution of this civilization to the development of human thought and culture are considerable. Sanskrit played a pivotal role as an effective link language in spite of the development of regional languages.</p> <p>As a language Sanskrit is one of the most important languages of the Indo-European family and has a very rich and continuous history of nearly five thousand years. The relationship of Sanskrit with some other languages in the world had given rise to comparative linguistics of the Indo-European languages. So the study of Sanskrit language structure along with the comparative linguistics is a must inclusion in the syllabus.</p> <p>Hence, the outcome of studying Sanskrit language and literature is to represent the spirit and importance of Sanskrit till today and the hidden heritage which looks at the man rather than at his station in life.</p>
<p><i>U.G. (Hons & Programme) & P.G. in Science (Mathematics)</i></p>	<p><i>Mathematics:</i></p> <p><u>B.Sc Mathematics(Hons/Programme)</u></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,</p>

	<p>algebra, geometry, differential equation and numerical techniques with Computer Programming.</p> <p><u>M.sc Mathematics</u></p> <p>The main objectives of the study of the M.Sc in Mathematics are-</p> <ol style="list-style-type: none"> 1. To develop more skilled or specialized in a particular discipline 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.
<p><i>U.G. (Hons & Programme) & P.G. in Science (Botany)</i></p>	<p><i>Botany:</i></p> <p>The main objective of the study of Botany is 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> <p>The PG courses are framed in a way that the students can extend their knowledge beyond the UG courses. More advanced thought and techniques are incorporated so as they can cope up with the new development in the biological sciences. The specialized area in PG are Microbiology and Plant Taxonomy</p> <p>Short and rapid preparations of the students for intensive research in the concerned areas are done through M.Sc. Research (Dissertation) project.</p>
<p><i>U.G. (Hons & Programme) in Commerce (Accountancy)</i></p>	<p><i>Commerce</i></p> <p>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.</p> <p>To make the students conscious regarding the latest development in the accounting world.</p> <p>To provide the efficient and effective account knowing persons to the society, so that the society can achieve every success.</p> <p>To provide necessary support to every sphere of society by supplying necessary knowledge in accounting.</p>
	<p><i>Geography:</i></p> <p>Geography relates human society with the surrounding environments. Students will have a clear understanding of the various tectonic processes that made our earth, of the regional geographical approaches at the backdrop of India in general and West Bengal in particular, of the</p>

<p><i>U.G. (Hons & Programme) in Arts (Geography)</i></p>	<p>interconnection between people and places in different regions, the distribution of economic activities, man-environment interrelations in local and regional perspective.</p>
<p><i>U.G. (Hons & Programme) in Arts (Political Science)</i></p>	<p><i>Political Science</i></p> <p>Political Science Department prepares students to become informed active 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"> 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. 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. 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. 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. 5. To increase recognition of the major problems, the leading policies, and the legal issues confronting contemporary political systems. 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. 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.
<i>U.G. (Hons & Programme) in Arts (History)</i>	<p><i>History</i></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>
<i>U.G. (Hons & Programme) in Arts (Economics)</i>	<p><i>Economics</i></p> <p>Objectives & Learning Outcome: Undergraduate Courses in Economics</p> <p>The goal of undergraduate courses in Economics that are offered at the 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, Ramananda College, Bishnupur 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 Hons. Course. For students interested in international trade or stock market, Economics is the natural choice. Someone who seeks a quantitative rigorous approach to</p>

	<p>social science will find Economics to be an exciting vibrant discipline. Students may choose to concentrate in the Economics Hons. 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 Hons. 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>
<p><i>U.G. (Hons & Programme) in Arts (Philosophy)</i></p>	<p><i>Philosophy</i></p> <p>The Philosophy Program promotes the development of the person as an individual and as a meaningful contributor to society. Towards that end, the following goals and objectives have been established. In general, critical analysis defines the general nature and purpose of philosophical inquiry. The primary goal of philosophy courses, then, is to address some of those ultimate questions so as to enable to students to lead a more substantive and meaningful life.</p> <p>Secondarily, philosophical reflection on the ultimate questions should lead to reasoned foundations conducive to support for human values; to an awareness of a duty to work for justice, compassion, and peace; and to the integrated and rich human life worth living, thus providing students the abilities and opportunities to be more responsible for the interdependent world in which they find themselves.</p>
<p><i>U.G. (Hons & Programme) in Arts (Education)</i></p>	<p><i>Education</i></p> <p>Education is a subject which has a growing demand. Students has an increasing interest for this subject because they find ample prospect in this subject for their further academic activities like research and so on .Besides teaching profession department of educatin helps the students to be competent for their competitive examination for various services.So we observe that the number of students taking education as their optional subject grows rapidly every year.</p>
<p><i>U.G. (Hons & Programme) in Science (Physics)</i></p>	<p><i>Physics</i></p> <p>At the end of 1st year (1st SEM & 2nd SEM) students will get basic knowledge in mathematical physics, mechanics, special theory of relativity, optics, electricity & 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 2nd year (3rd SEM & 4th SEM) students will be able to attain basic knowledge about quantum mechanics, electronics (analog & 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 (5th & 6th 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 characterize various nano materials. This will motivate them to do project work or research work in this field in near future.</p>
<i>U.G. (Hons & Programme) in Science (Chemistry)</i>	<p><i>Chemistry</i></p> <p>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. 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.</p>
<i>U.G. (Hons & Programme) in Science (Zoology)</i>	<p><i>Zoology:</i></p> <p>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 specialisation in zoology. Students will also learn about the use of various technical skills in the biological sciences to be helpful during research work.</p>
<i>U.G. (Hons & Programme) in Science (Physiology)</i>	<p><i>Physiology</i> 1st year</p> <p>CO1: To learn about different body fluids, components, cell organs, organ system, tissues, transport system in human body, cell division, homeostasis, physiology of ageing, and basic concepts of biophysics, chemistry of biomolecules and enzymes, physiology of nerve and muscle.</p>

	<p>CO2: The aim of the practical course is to enrich the skill of students to Cellular Basis of Physiology Lab, Biological Physics and Enzymes Lab, Physiology of Nerve and Muscle Cells Lab and Chemistry of Biomolecules Lab.</p> <p>2nd year</p> <p>CO1: To enrich the knowledge about circulation of body fluids and cardiovascular homeostasis in health and disease, functions of the nervous system, metabolic aspect of nutrition, macronutrients, energy balance, gastrointestinal tract function and its regulation, respiration and its disorder.</p> <p>CO2: The aim of the practical course is to enrich the skill of students on Circulating Body Fluids Lab, Circulation Lab, Functions of the Nervous System Lab, Energy Balance, Metabolism and Nutrition Lab, Gastrointestinal Function Lab and electrophysiology experiments.</p> <p>3rd year</p> <p>CO1: To enrich the knowledge on special senses, endocrinology, reproduction, formation and excretion of urine and specialized on biological statistics, microbiology and immunology, ergonomics and occupational physiology, sports and exercise physiology and occupational health hazards.</p> <p>CO2: The aim of the practical course is to enrich the technical skill of students to various instruments, techniques, biostatistics, which will be helpful to build their research career in future.</p>
<p><i>U.G. (Hons & Programme) in Science (Computer Science)</i></p>	<p><u>Computer Science</u></p> <p>Upon completion of a B.Sc in computer science, students will be able to :</p> <ol style="list-style-type: none"> 1. Learn about DBMS, data structure, networking, algorithm, operating system, computer architecture and various programming languages like C,C++,JAVA,Python . 2. Apply algorithmic, mathematical and scientific reasoning to a variety of computational problems. 3. Analyzing, design, implement and evaluate a computer based system, process, component or programme to need desired needs.

	Communicate effectively both orally and in writing and recognize the social and ethical responsibilities of a professional working in the discipline.
<i>U.G. (Only Hons) in Science (Nutrition)</i>	<p><i>Nutrition</i></p> <p>B.Sc. Food Science and Nutrition course provide students with the ability to perform an individual study on the subject, take up higher studies on Masters and Research Programme in the field. They become competent to explore the field of Food and Nutrition widening their scope as experts in food industries, nutritionists, diet therapists, aerobic consultant and others. The programme aims to skill students with knowledge of the field to gain profitable scopes in respect to their career.</p>
<i>U.G. (Only Hons) in Arts (Music)</i>	<p><i>Music</i></p> <p>The main objective of reading Indian music in the Music Course is to make all the students interested in all types of music in India and inform them of different musical genres, different notation, different types of music, and different traditions of music. Apart from this the Hindustani Classical Music has been kept tight as the original music practice in making kanthas. Also, these subjects have been kept in mind to practice various Bengali songs such as Rabindrasangeet, Nazrulgeeti, Banga Tappa and Shyama sangeet etc.</p>
<i>U.G. (Only Programme) in Arts (Physical Education)</i>	<p><i>Physical Education:</i></p> <p>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>