

# Balurghat College

(Govt. Sponsored)

(A constituent College under the University of Gour Banga offering both UG & PG Courses)



*Dr. Pankaj Kundu*  
*Principal*

P.O. Balurghat, Dist. Dakshin Dinajpur,  
West Bengal, Pin-733101, India,  
Web : balurghatcollege.in

Ph. 03522 255392, Mob. : 8348229018

Email : [college.balurghat@gmail.com](mailto:college.balurghat@gmail.com)

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## Program outcomes, program specific outcomes and course outcomes for all programs offered by Balurghat College (2014-2015)

### Department of Economics

#### **Programme Outcome:**

The college has outlined general Programme Outcomes for the holistic development of the students like 'Capability of Independent learning, sense of civic responsibility, Environmental consciousness, Patriotism and Tolerance, Soft Skills and Life Skills, Leadership qualities and Teamwork, Critical Thinking, Quest for Excellence and Physical and Emotional Health'.

#### **Programme Specific Outcome:**

- ) The IQAC ensures that all departments set targets at the beginning of the term with the help of the academic calendar. There is a practice of one department auditing another on various parameters of Teaching, learning and Research at the end of each academic year.
- ) Monitoring of the classes takes care of day-to-day targets of teaching and learning.

#### **Course Outcome: 3 years degree course in Economics Honours/ General**

The course helps the students who are seeking to build a career in the Economic field. This will be helpful in prospective career programs such as MBA and build oneself as an entrepreneur with the detailed knowledge of the economy.

- ) It is a social science which analyses the economy as a whole and its production, consumption and distribution of different goods and services.
- ) The course covers the definition, scope, limitations, concepts, utility, production, market and other major/minor aspects of economics.
- ) It teaches them not only to learn but to scrutinize and analyze the different aspects based on which an economy runs.
- ) The course is not only limited to the Indian Economy but covers the International Economies as well, providing a global scope when it comes to career opportunities.
- ) The course has the inclusion of the environmental aspects of economics and its impact on the environment, which is extremely crucial at the present times.
- ) Since the course concentrates on the foundations of Economics, it is extremely helpful in building the perfect base for further studies of the subject.

### Department of Physics

#### **Programme Outcome:**

Balurghat college offers a 3 year degree course to students mainly from rural areas around Balurghat. The students who get admitted to Physics Honours course are mostly from different parts of Dakshin Dinajpur district, usually with first class and second class marks in Science at Higher

Secondary level. Many of the students are from local schools which teach in local vernacular. At the end of three years, the same students attain a comprehensive knowledge of Physics and capability of solving analytical problems, expertise in handling different types of experimental setups as well as answering the questions in English at par with students of colleges in urban areas. The results of different assessments are communicated to the students by the respective teachers in class. The teachers try to provide a broader understanding of the subject and to motivate the students to go for higher education. Many of our students pursue masters program in Physics at different Universities. Some of them go for teachers' training course (B.Ed) or prepare for Government Service examinations. The different career options like teaching in schools and colleges or applying for different Civil Services, Banking jobs and other Government services are also open for them

### **Department of Political Science**

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#### **Programme Specific Outcome:**

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#### **Course Outcome: 3 years degree course in Political Science Honours/ General**

- ) It teaches them not only to learn but to scrutinize and analyze the different aspects based on which an economy runs.
- ) The course let the students to understand and be able to inter relate the leading political theories and methods, international relations and comparative politics.
- ) The course helps the decisions human beings make in political settings including those regarding the forms of government available and understand the philosophical underpinnings of political systems, major ideologies and political parties.

### **Department of Botany**

#### **Programme Outcome:**

The prospectus of the Institution provides all important and necessary information about all the programmes and courses along with the programme nomenclature, fee structure, hostel facilities and other relevant information.

The college website displays various programs with its objectives at the beginning of the session. The website of the college is very elaborate. The courses taught in the college, the facilities provided to the students and the teaching faculties available are given in the website. Regular updates are also provided to all concerned in relation to the courses. Besides the college website, prospectus or information brochure is given to the students.

### **Department of Chemistry**

#### **Programme Outcome:**

A three years degree course is offered to the students in their B.Sc. honours stream in Chemistry, by the University of Gour Banga, at Balurghat College. The syllabus covered all the important area of chemical sciences to increase their basic knowledge. At the under graduate level they are trained enough to predict the mechanism of chemical reactions, elucidate the structure of

small molecules with the help of organic spectroscopic techniques. The students have strong knowledge to analysis the functional groups present in organic compounds and the composition of inorganic salts. Furthermore, they also learned some important experimental techniques which help to improve their expertise in the researched work. After, finishing the bachelor degree course, many students cracked in different important national, state level as well as some international examinations (such as IIT-JAM, BHU, SET/SLET, GATE, NET, TOEFL etc.) to pursue their higher studies.

### **Department of Computer Science**

#### **Programme Outcome:**

This undergraduate course gives a crisp, clear as well as comprehensive idea about the subject in the 1st year which includes general concepts about Computer hardware, application software etc. computer organization, Digital System Design with associated fundamental concepts n Basic electronics and the introduction to Programming language like C.

2<sup>nd</sup> year mainly comprises of Discrete Mathematics (Graph theory, Combinatorics, Recurrences Relation, Pigeon-Hole Principle etc), Operation research as mathematics is compulsory at 10+2 in order to pursue honours in Computer science.

Besides the course curriculum, the new syllabus (w.e.f 2015-16) gives students of final year to get into a minor project in order to explore their innovative ideas, thoughts, and practically experiencing of how the actual system works on and also help them acquit knowledge through experiments, pertaining to the various sub fields of Computer science like ANN, Bioinformatics, Digital Image processing, Micro-Controller based embedded system, etc.

### **Department of Geography**

#### **Programme Outcome:**

The primary objective of Geography honours course is communicated and explained to the students by the faculty members at the beginning of the session.

The three year undergraduate Course in Geography honours prepares the students for choosing their career as professionals or academicians in this field. Moreover it helps the students in the following ways.

- ) To get an idea regarding development of the subject.
- ) To know the nature and classification different physical and cultural aspects in the earth's surface along with its distribution and properties involving different measures, tools and techniques.
- ) To know the origin of the earth, universe and solar system etc.
- ) To know the demographic data.
- ) To know the different settlement pattern, types, characteristics etc.
- ) To know the different GIS Software, computer knowledge etc.
- ) To briefly analyze bivariate and categorical data.
- ) To know the sequential development of probability theory, its analysis for univariate and bivariate distribution.
- ) To get an idea about the importance of Statistics for the development of our country and how the statistical system in India works.
- ) To develop the concept of statistical inference and the importance of sampling distribution in this regard.
- ) To understand the theories of large sample and multivariate distribution.

## Department of Mathematics

### **Programme Outcome:**

By the end of the program UG in Mathematics, the student will be able to:

1. Demonstrate in-depth knowledge in one of the foundational areas of the mathematical sciences.
2. Communicate mathematical ideas using numerical, graphical and symbolic representations.
3. Construct abstract models using appropriate mathematical and statistical tools;
4. Analyze, test, and interpret technical arguments, and form independent judgments.
5. Solve complex problems by identifying feasible divisions into simpler sub-problems;
6. Gather and organize relevant qualitative and quantitative information such as related problems, examples and counterexamples;
7. To improve their performance in math competitions (like IIT-JAM, TIFR, NBHM, CSIR-NET), as well as their general mathematical skills if math competitions are not their main goal.

## Department of Zoology

### **Programme Outcome:**

After completion of three year learning the students become a successful graduate and are able to shine in different areas of life and society. Some of the outcomes as follow:

- ) They acquire the basic knowledge in the field of research
- ) They develop the ability to design, perform and analyse the scientific experiment
- ) They become aware regarding the biodiversity and conservation biology
- ) They learn various technique like measuring blood pressure, blood grouping, estimating hemoglobin, Total counting of WBC and RBC etc. by which they can make a career in pathological laboratories
- ) They also learn the technique of histology which also may be used in pathological laboratories.
- ) They become aware of genetic principles and genetic diseases like Hemophilia, Thalasemia etc. that are very useful in daily life.
- ) They come to know about various diseases causing virus, bacteria, other microbes and vectors
- ) They gain commanding knowledge about economic zoology like sericulture, poultry culture, aquaculture, apiculture etc. that may help them to make career in these fields.
- ) Last but not the least they become a good human being.

## Department of Philosophy

### **Course Outcome: 3 years degree course in Philosophy honours/ general**

- ) It teaches them not only to learn but to scrutinize and analyze the different aspects of our human life in modern society.
- ) The course let the students to understand and be able to inter relate the different philosophical theories and methods and comparative study on Indian and Western philosophy.
- ) The course helps students to understand the philosophical thinking of different systems, major ideologies of different philosophers.

## **Department of Bengali**

### **Programme Outcome:**

3 year Hons/General

Expect to have expertise in field survey.

Expect to develop interest in theatre and literature related to theatre as a whole.

Expected to develop skills of creative writing

Expect to write research related articles.

Expected to show skills of individual publication and group publication

Post Graduate (4 semesters) M.A. in Bengali

Expect to develop skills of elocution, public speaking and anchoring

Expect to develop knowledge in contemporary Bengali literature, and regional literature.

Expect to develop knowledge regarding history of Bengali literature in Medieval age.

## **Department of English**

### **Programme Outcome:**

The Department of English, Balurghat College ensures its students develop self confidence at the first place. Students from varied background get admitted to college without a proper idea and planning of the course they sought to pursue. The Department of English aim to channelize unpolished resources into fruitful endeavours and accomplishment of higher ideals of life. In its first step of three year mission the Department acquaints its students with the joy of overcoming the fears and errors of English language. Allied with the University syllabus, the Department aims to introduce its students with the rich world of literature, the pleasures and pains of a high idea and a comprehensive knowledge of Western world. In the second step, students are mentored to gain academic expertise which enables them to fully understand the conventions of academic environment and helps them in their higher studies.

Students who enroll in the Department of English, gain an overall political and social understanding of his or her environment. The student makes his or her language and literary academic base super strong that helps to easily overcome Masters and Phd superstructures of the Universities. Plus, with different co-circular activities the students get an idea of team work and effort. Exposed to post-college competitive environment the students of English Department never fail due to lack of confidence and communication.

## **Department of Sanskrit**

### **Programme Outcome:**

Students are:

Expect to have knowledge about Sanskrit verse, language and application of Sanskrit Language.

Expect to learn about pedagogical aspects of Sanskrit Teaching

Expect to connect Sanskrit to other subjects and science and practice Sanskrit Language as part of daily

Expect to have knowledge on Yoga, Astrology, and shine in the field of research.

## **Department of Commerce**

**Course Outcome: 3 years degree course in Commerce:**

The overall syllabus of the course is separated in two areas i.e. Honours course and General course. Presently, the Honours course has the specialisation in Accounting & Finance. The complete syllabus of the course is at par with the other University courses running in our country. The course contents are very much relevant to the socio-economic structure of our country. The students are enriched from the course outcome in the field of Accounting, Auditing and Management. After completion of the course (Honours or General), the students are placed in different fields/jobs as well as in the field of higher Education. So, the course offered by the Institution which helps the students to develop them confident to face the future studies or working in different jobs as well.

### **Department of History**

#### **Programme Outcome:**

Students, at the end of course, are expected to:

- ) Understand background of our religion, customs institutions, administration
- ) Analyze relationship between the past and the present is lively presented in the history.
- ) Understand the present existing social, political, religious and economic conditions of the people
- ) Develop practical skills helpful in the study and understanding of historical events
- ) Develop interests in the study of history and activities relating to history.