

Office of the Principal/Secretary  
**GOUR MAHAVIDYALAYA**

ACCREDITED BY NAAC (2<sup>nd</sup> CYCLE) B+

Dr. Ashim kumar Sarkar, M.A. M.Phil, Ph.D  
Principal



P.O.- Mangalbari, Malda. Pin – 732142 (W.B.)  
Phone : 03512- 260547; Fax 03512-260547  
E-mail : gour\_maha@yahoo.co.in  
principalgourcollege@gmail.com  
Website : gourmaha.org

Date :

**Program outcomes, program specific outcomes and course outcomes for all programs offered by Gour Mahavidyalaya, Mangalbari, Malda (2019-20):**

**Programme Specific Outcomes:** A high priority task in the context of future education development agenda in India is fostering quality higher education. Further improvement of quality of higher education is considered critical for enabling effective participation of young people in knowledge production and participation in the knowledge economy, improving national competitiveness in a globalized world and for equipping young people with skills relevant for global and national standards and enhancing the opportunities or social mobility. Being the premier institution in a semi-urban area dominated by S.T., S.C., OBC, Minority students, the college has a particular mission of mainstreaming such peripheral and marginalized sections of the society by empowering them through education. The vision of the college is to empower them through proper education so they can fight the gender bias in society and as conscious citizen contribute in Nation building. In consonance with the demands of globalised knowledge economy, the mission of the college is to develop human resource through theoretical knowledge and vocational expertise. The College aims at creating thinkers as well as innovators. Curriculum is the heart of any educational system. Different Board of studies of UGB have prepared modern Curriculum. The outcome based curriculum provides the teacher very specific targets which he can achieve through the selected instructional process as compared to the objective based curriculum which provides general outcomes.

**:Department of Arabic:**

**Department of Arabic Programme Outcomes: ( 3 year Honours/General) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers .
- \*The course helps to develop Knowledge of Arabic prose writing style and syntax
- \*The Course helps to generate documents and reports in Arabic language.
- \* The course helps to understand the contribution of Indians to Arabic language and literature.
- \*The course ensures communication skills in Arabic language.
- \*It helps to develop knowledge of writing letters, ads, notifications, tenders and quotations in Arabic language.
- \*The course helps to enhancement of translation skills from Arabic to English and vice versa.
- \* The Course helps to understand the language of Arabic poetry of the classical and modern period .

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\* Graduate students can help researchers of History and Bengali subjects, for, many documents of Medieval and Modern period are written in Arabic language.

**Department of Bengali**

**Department of Bengali: Programme Outcomes:( 3 year Honours/General) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers .
- \*The course helps to develop skills of creative writing.
- \*The course helps to pursue specialization in folk literature
- \* The course helps to develop language laboratory.
- \* The course helps to develop skills of elocution, public speaking and anchoring.

**:Department of Education:**

**Department of Education :Programme Outcomes: 3 year Honours/General :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers .
- \* The course helps to understand basic concepts and ideas of educational theory.
- \*The course helps to develop understanding about teaching, pedagogy, school management and community involvement.
- \* The course helps to understand of education as an agenda for the nation state and its policy visions and efforts in evolving a national system of education.
- \* The course helps critically to examine key universal constructs in developmental psychology and educational psychology.
- \* It helps to build moral character and the study of Education helps to impart moral education.

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The course helps to build knowledge understanding and sensitivity of different perspectives in the area of education of children with disabilities, oppressed sections of the society.

\*The course helps to understand of the nature and evolution of the disciplines / areas in the context of education.

\*It helps to develop sensitivity towards the specific needs / problems / challenges in the area.

\* Graduates become aware of the fundamentals of Computers and Web Technologies in Educational Context.

\*It helps to understand the importance of the application of Educational Technology in the field of education.

### **“Department of English”**

#### **Department of Bengali :Programme Outcomes: (3 year Honours/General) :**

\*There is ample scope of higher studies.

\*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

\*The course helps the students who are seeking to build a their career as Teachers , News reader, Reporter,Journalist

\* The course helps to acquire vital employability skills and employment opportunities in the fields like teaching, media, journalism, free lance writing, film, drama etc.

\*The course helps to sharpen students critical, creative and analytical skills and enhance their proficiency in English language.

\*The course helps to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.

\* The course to establish connections across frontiers of disciplines.

\* The course helps to develop critical thinking and imagination through long and short fiction and to familiarize students with cultural diversity through different representative samples of fiction.

\*The course helps to lead to a greater understanding of the human communicative action through an objective study of language.

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- \* The course helps to establish/develop language laboratory.
- \* The course helps to provide an overview of the various phases of the evolution of Indian writing in English.
- \* It helps to introduce students to the thematic concerns, genres and trends of Indian writing in English.
- \* The course helps to provide an overview of the various phases of the evolution of Indian writing in English.
- \* There is ample scope of employment in Government and Private Departments.
- \* The course helps to prepare and deliver effective oral presentations and arguments acceptable within the English professions.

**: Department of Geography:**

**Department of Geography: Programme Outcomes: (3 year Honours/General) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers .
- \* The course helps to draw maps, charts, diagrams etc.
- \*The course helps to serve as cartographer in map making divisions of Government.
- \*The course helps to understand the relationship of man and environment.
- \* The course helps to locate Physiography, Drainage, Climate, and Vegetation of India.
- \*The course helps to understand Structure, Components of Atmosphere.
- \*The course helps to acquire knowledge about biodiversity.
- \* The course help to understand the value of Resource.
- \*The course helps to understand environmental problems there Cause, Effect and Remedies.
- \*The course helps to acquire knowledge about environmental hazards and management.
- \*It helps to make aware about conservation of resources.
- \* It helps to understand the various environmental protection acts.
- \*It helps to acquire knowledge about Remote Sensing & GIS .

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- \*It helps to investigate components and function of GIS and importance of study GIS Data models.
- \* The course helps to understand weather phenomena winds, humidity and precipitation, heat balance, green house effects and forecasting methods
- \*It may be noted that our Institution has established weather station and students can acquire practical knowledge.

**: Department of History:**

**Department of History: Programme Outcomes: (3 year Honours/General) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers , Archaeologists and curator of Museum.
- \* The course helps to understand background of our religion, customs institutions, administration and so on.
- \* The course helps to understand the present existing social, political, religious and economic conditions of the people.
- \* It helps to analyze relationship between the past and the present .
- \* The study of History helps to solve the problem of current issues in the light of past experience.
- \*The course helps to developed their ability to assess critically historical analysis and argument, past and present.
- \* The course helps to understand how sense of patriotism and nationalism developed in colonial period and contribution of notable freedom fighters in the freedom struggle.
- \* The course helps to installs the feeling of patriotism in the hearts of the pupils.
- \* The course helps to grow interest about collection of ancient arts, old coins and other historical materials a, necessity of preservation and hand over coins,sculptures and manuscripts to Govt. authority.
- \* The course helps to developed their ability to assess critically historical analysis and argument, past and present.

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- \* The course helps to gain insight into current methodologies, theories, and concepts, themes of historiography currently in use within the historical discipline
- \* The course helps to examine the salient features of the Constitution of India.
- \* The course helps to understand our cultural heritage and traditions.

**: Department of Mass Communication and Journalism:**

**Department of Mass Communication and Journalism: Programme Outcomes: 3 year( Honours) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers , News reader, Reporter, Journalist, Media professional.
- \* The course offers numerous career opportunities to candidates which are not only high paying but also bring in job satisfaction and expression of creativity.
- \* The course helps to develop skills in reporting, writing, editing, photographing, broadcasting or cable casting news items. Journalism includes investigating, analyzing and reporting local as well as world events, trends, current affairs, and so on
- \* The course helps to Graduates to show creativity in various fields like media , film direction and production, event management, public relations, advertising, corporate communication and video recording.

**: Department of Physical Education:**

**Department of Physical Education: Programme Outcomes: 3 year ( General) :**

- \*There is ample scope of higher studies.
- \*The course helps the students who are seeking to build a their career as Teachers , Physical instructor, Sportsman.
- \* The course helps the students to understand the values and ethics of life and personality development.
- \*This subject helps them to know about health aspects and maintain good health and fitness for higher achievements in sports.

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\*The subject helps the students to understand the psychological aspects include in sports for good performance.

**: Department of Political Science:**

**Department of Political Science: Programme Outcomes: (3 year Honours/General) :**

- \*There is ample scope of higher studies.
- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- \*The course helps the students who are seeking to build a their career as Teachers ,Political leader and political analyst.
- \* It helps to develop knowledge about the theories, approaches, concepts and principles of political theory.
- \*The Course helps to understand the nature, methods and significance of political thought.
- \*The course helps to understand the evolution, scope and significance of international relations and the rise of sovereign state system.
- \*The course helps to understand the evolution, scope and significance of international relations and the rise of sovereign state system.
- \*It helps them to understand why India is praised for Democracy.
- \* It helps to grow as responsible citizen and contribute in Nation building.

**: Department of Sanskrit:**

**Department of Sanskrit: Programme Outcomes: (3 year Honours)**

- \*There is ample scope of higher studies.
- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

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- \*The course helps students acquire a general understanding of classical Sanskrit literature and Philosophy and religion, history and culture through Sanskrit texts.
- \* The course helps to demonstrate an enhanced knowledge and understanding of all structures of the Sanskrit.
- \* It helps them to understand ancient Indian philosophy like Upanishads and Gita.
- \* It helps them to understand Indian culture and values.
- \* The course helps them to develop relevant generic skills and professional competencies that are required to understand the ancient medicine system (Ayurveda), health science like Yoga, the traditional calendar system (Jyotish), Dramaturgy-theatre and acting, personality development and behavioral science, computer and Sanskrit, architecture science (Vastu Vidya), Vedic mathematics etc.
- \* The study of Sanskrit texts helps in building of character and inculcation of moral, social and spiritual values and thus contribute to personality development.

**: Department of Sociology:**

**Department of Sociology: Programme Outcomes: (3 year Honours and General)**

- \*The course helps to understand all aspects of human social behavior, including the behavior of individuals as well as the social dynamics of small groups, large organizations, communities, institutions, and entire societies.
- \*The programme seeks to develop in students the sociological knowledge and skills that will enable them to think critically and imaginatively about society and social issues.
- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- \*Students have the opportunity to join professional careers in Sociology and allied fields. Sociology provides an intellectual background for students considering careers in business, social services, public policy, Government service, non-Governmental organizations, foundations, or academia. This programme lays foundation for further study in Sociology, Social work, Rural Development, Social Welfare and in other allied subjects.

**: Department of BCA:**



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**Department of BCA: Programme Outcomes: (3 year Honours )**

- \*The program empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice .
- \*B.C.A. programme facilitates the graduates to use and apply current technical concepts and practices in the core computer applications.
- \* Graduate students can improve their computer literacy, their basic understanding of operative systems and a working knowledge of software commonly used in academic and professional environments.
- \* The course helps to improve communication and business management skills, especially in providing technical support.
- \*The course helps Graduate students to serve as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software, as Consultant and Management officers for system management, as IT Sales and Marketing person, as Web designer, as DTP Operator in small-scale industries .

**: Department of Botany:**

**Department of Botany: Programme Outcomes: (3 year Honours and General )**

- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- \*The course helps the students to acquire core competency in the subject.
- \*The course helps the students understand the genetic diversity on the earth.
- \*It ensures team workmanship in order to serve efficiently institutions, industry and society.
- \* The course helps the students to explain various plant processes and functions, metabolism, concepts of gene, genome and how organism's function is influenced at the cell, tissue and organ level.
- \* The course helps the students to understand adaptation, development and behavior of different forms of life.

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**Department of Chemistry: Programme Outcomes: (3 year Honours and General )**

\*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

\*An increased understanding of fundamental concepts and their applications of scientific principles is expected at the end of this course. Students will become critical thinker and acquire problem solving capabilities.

\* The course helps to achieve the skills required to succeed in graduate school, professional school and the chemical industry like cement industries, agro product, Paint industries, Rubber industries, Petrochemical industries, Food processing industries, Fertilizer industries etc.

\*There are opportunities related to chemistry in the government services through public service commission particularly in the field of food safety, health inspector and pharmacist.

\* It helps to understand the importance of the elements in the periodic table including their physical and chemical nature and role in the daily life.

**Programme Specific Outcomes:** \*Gain the knowledge of Chemistry through theory and practical.

\* Identify chemical formulae and solve numerical problems. \*Use modern chemical tools.\* Understand good laboratory practices and safety. \*Develop research oriented skill

**: Department of Computer Science:**

**Department of Computer Science: Programme Outcomes: (3 year Honours and General )**

\*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

\* Apply the knowledge of mathematics, science, and computing to the solution of complex scientific problems.

\* The course helps the students to identify, formulate, research literature, and analyze complex scientific problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and applied sciences.

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\* The course helps to design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

\* The course helps to create, select, and apply appropriate techniques, resources, and modern computing and IT tools including prediction and modeling to complex scientific activities with an understanding of the limitations.

\*The course helps Graduate students to serve as the Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software, as Consultant and Management officers for system management, as IT Sales and Marketing person, as Web designer, as DTP Operator in small-scale industries .

**Specific Programme Outcomes:** \*Graduates can design, implements, test, and evaluate a computer system, component, or algorithm to meet desired needs and to solve a computational problem. \* The course helps to enhance skills and adapt new computing technologies for attaining professional excellence and carrying research

**: Department of Food and Nutrition:**

**Department of Food and Nutrition: Programme Outcomes: (3 year Honours )**

The course “Fundamentals of Food and Nutrition” aims at developing basic understanding about nutrition, its effect on human health and newer advances in food technology.

A successful completion of this course will enable students to(a) understand both fundamental and applied aspects of food science. They will be able to explain functions of specific nutrients in maintaining health, identifying nutrient specific foods and apply principles from the various facets of food science and related disciplines to solve practical as well as real-world problems, and (b)use current information technologies to locate and apply evidence-based guidelines and protocols and get imparted with critical thinking to take leadership roles in fields of health, dietetics, special nutritional needs and nutritional counseling.

\*Graduates can work with government hospitals, government’s health department, schools, colleges, factories and office cafeterias for planning nutritional regiment. They can serve as Diet Counselor, Nutritionist and Dietician expert. They can also work for sports hostels and athletes camps. Health and recreation clubs, canteen and nursing care facilities also require the services of nutritionists and dietitians. Employment opportunities are also open to them in catering department of star hotels and restaurants.

\*Research and development involves conducting research on various food items to ensure their quality as well as studying the effects of various types of diet on the body chemistry in labs.

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**: Department of Mathematics:**

**Department of Mathematics: Programme Outcomes: (3 year Honours and General )**

- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- \* The Learning Outcomes-based Curriculum helps to enhance knowledge, understanding, skills, attitudes, values and academic achievements sought to be acquired by learners at the end of these programmes.
- \* The course enhances the capability of demonstrating comprehensive knowledge of mathematics and understanding of one or more disciplines which form a part of an undergraduate programme of study.
- \* The course helps to enhance the capability for inquiring about appropriate questions relating to the concepts in various fields of mathematics.
- \* It helps to enhance the capability to solve problems in computer graphics using concepts of linear algebra.
- \* Graduate students easily solve various models such as growth and decay models, radioactive decay model, drug assimilation, LCR circuits and population models using techniques of differential equations.
- \* Formulate and develop mathematical arguments in a logical manner and statistics, chosen by the student from the given courses.

**: Department of Physics:**

**Department of Physics: Programme Outcomes: (3 year Honours and General )**

- \*The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- \*The course gives the idea about what is science, what is scientific temper, history of science and scientific revolutions
- \* It makes aware of a brief history of physics, giving emphasis on the birth of quantum theory using black body radiation, photoelectric , X rays and DeBroglie waves and a general idea about theory of relativity .
- \* It helps to understand the basics of modern optics like Fiber optics and holographyC04. Solve problems in optics by selecting the appropriate equations and performing numerical or analytical calculations.

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\* The course makes aware about other non-conventional energy sources like Ocean Thermal Energy Resources, Wind energy and Chemical energy resources.

\* The students learn the basics of properties of matter, how Young's modulus and rigidity modulus are defines and how they are evaluated for different shapes of practical relevance

**Specific Programme Outcomes:** \* Graduate students can gain the knowledge of Physics through theory and practical. \* The course helps to understand good laboratory practices and safety. \* Graduate students can develop research oriented skills. \* Laboratory based practical classes make aware and handle the sophisticated instruments/equipments

**: Department of Zoology:**

**Department of Zoology: Programme Outcomes: (3 year Honours and General )**

\*Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms and can analyze complex interactions among the various animals of different phyla, their distribution and their relationship with the environment.

\*The course helps to understand various concepts of genetics and its importance in human health.

\*The course creates an awareness of the impact of Zoology on the environment, society, and development outside the scientific community.

\* The course helps to inculcate the scientific temperament in the students and outside the scientific community

**Specific Programme Outcomes:** \* The course helps to understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology\*The course helps to understand the DNA Recombinant technology.\* The course helps to understand the importance of applications of biological sciences in Apiculture, Aquaculture, Agriculture and Medicine and its benefits.\* The course helps to understand good laboratory practices . \* The course makes aware and handle the sophisticated instruments/equipment.

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- \* It makes aware of a brief history of physics, giving emphasis on the birth of quantum theory using black body radiation, photoelectric, X rays and DeBroglie waves and a general idea about theory of relativity.
- \* It helps to understand the basics of modern optics like Fiber optics and holography. Solve problems in optics by selecting the appropriate equations and performing numerical or analytical calculations.
- \* The course makes aware about other non-conventional energy sources like Ocean Thermal Energy Resources, Wind energy and Chemical energy resources.
- \* The students learn the basics of properties of matter, how Young's modulus and rigidity modulus are defined and how they are evaluated for different shapes of practical relevance.

**Specific Programme Outcomes:** \* Graduate students can gain the knowledge of Physics through theory and practical. \* The course helps to understand good laboratory practices and safety. \* Graduate students can develop research oriented skills. \* Laboratory based practical classes make aware and handle the sophisticated instruments/equipments

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- \* The course helps to understand various concepts of genetics and its importance in human health.
- \* The course creates an awareness of the impact of Zoology on the environment, society, and development outside the scientific community.
- \* The course helps to inculcate the scientific temperament in the students and outside the scientific community.

**Specific Programme Outcomes:** \* The course helps to understand the nature and basic concepts of cell biology, genetics, taxonomy, physiology, ecology and applied Zoology. \* The course helps to understand the DNA Recombinant technology. \* The course helps to understand the importance of applications of biological sciences in Apiculture, Aquaculture, Agriculture and Medicine and its benefits. \* The course helps to understand good laboratory practices. \* The course makes aware and handle the sophisticated instruments/equipments.

Sd/- 6.6.2020

VP

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