

# B. K. Birla College, Kalyan

Empowered Autonomous Status

Affiliated to University of Mumbai



Semester I and II

NEP Syllabus

## Faculty of Humanities

### Programme Outcome

**B. A. (Three Year Degree)**

**B. A. (Four Year Honours)**

PO 1	The Bachelor of Arts programme aims to create an interest for the languages, social sciences and humanities amongst students.
PO 2	The degree of Bachelor of Arts will encourage first generation learners and impoverished class students to aspire for higher education.
PO 3	Learning and Higher Education is brought within the means of the students who desire for a graduate degree.
PO 4	Languages and social sciences provide a better insight to life. The Bachelor of Arts programme will create awareness about the same amongst the students.
PO 5	Upon completion of three year programme, students will stand eligible for post-graduate programmes in Law, Education, Languages, Social Sciences, Social Services and a multitude of other programmes, thereby adding to the educated and skilled work-force of the society.
PO 6	Upon completion of four year programme, students will stand eligible for post-graduate programmes across any university in the world.

### Programme Specific Outcome (B. A. Geography)

PSO 1	The <b>B. A. Geography</b> programme aims to enhance geographical knowledge and awareness amongst students regarding the present scenario of environmental degradation, climate change, demographic issues, urbanization and other problems affecting the earth.
PSO 2	The programme will also empower the students with the skills required to analyse, evaluate and act upon the problems by teaching them the latest techniques like GIS, GPS and Remote Sensing.
PSO 3	The programme will encourage students to study further for their post-graduate degree and take up further research in the field of Geography.
PSO 4	The programme aims to increase the employability quotient of the students and make them a skilled and educated work-force.

### Programme Specific Outcome (M. A. Geography)

**Two years programme after Three Year Degree**

**One Year programme after four year Honours**

PSO 1	The <b>M. A. Geography</b> programme aims to enhance geographical knowledge and awareness amongst students regarding the present scenario of environmental degradation, climate change, demographic issues, urbanization and other problems affecting the earth.
PSO 2	The programme will also empower the students with the skills required to analyse, evaluate and act upon the problems by teaching them the latest techniques like GIS, GPS and Remote Sensing.
PSO 3	The programme will encourage students to study for competitive exams and take up further research in the field of Geography.
PSO 4	The programme aims to increase the employability quotient of the students and make them a skilled and educated work-force.
PSO 5	The programme will create teachers of Geography.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

F.Y.B.A. Semester- I

Major - I: Principles of Physical Geography BUAGEMJ101 (2023-24)

Minor - I: Principles of Physical Geography BUAGEMN101 (2023-24)

Credits – 04

**Objectives:**

1. To introduce the evolution of Earth and physical features of the Earth
2. To introduce concepts of Lithosphere, Hydrosphere, Atmosphere to the students

**Course Outcome:** This course will enable students to

**Knowledge:** Understand the evolution of the Earth

**Skills:** Correlate the formation of landforms to Earth's movements.

**Ability:** Apply knowledge of weather and climate to practical use

**General Competence:** Appreciate the importance of water resources and conservation

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

F.Y.B.A. Semester- I

Major - II: Basic Map Work – I BUAGEMJ102 (2023-24)

Credits – 02

**Objectives:**

1. To introduce the basics of Maps
2. To enable students to read topographical maps and weather maps.

**Course Outcome:** This course will enable students to

**Knowledge:** Understand the types and uses of maps

**Skills:** Map reading skills will be developed.

**Ability:** Identify and interpret topographical and weather maps

**General Competence:** Use maps for navigation.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

F.Y.B.A. Semester- II

Major - I: Principles of Human Geography (BUAGEMJ201) (2023-24)

Minor - I: Principles of Human Geography (BUAGEMN201) (2023-24)

Credits – **04**

**Objectives:**

1. To introduce the broader aspects of the Study of Human Geography
2. To familiarize students with the Qualitative and Quantitative aspects of Human Population

**Course Outcome:** This course will enable students to

**Knowledge:** Understand the relationship between Man and Environment

**Skills:** Understand the consequences of Human interference in natural processes.

**Ability:** Application of settlement patterns in planning

**General Competence:** Estimate the trends, patterns and impacts of World Population Changes

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

F.Y.B.A. Semester- II

Major - II: Basic Map Work – II BUAGEMJ202 (2023-24)

Credits – **02**

**Objectives:**

1. To introduce the basics of Maps
2. To enable students to read topographical maps and weather maps.

**Course Outcome:** This course will enable students to

**Knowledge:** Understand the types of projections

**Skills:** Reading of Thematic Maps

**Ability:** Calculation of map distances and ground distances

**General Competence:** Use maps for interpreting statistical data.

**B. K. Birla College of Arts, Science, and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

M.A. Semester- I

Major - I: Principles of Geomorphology BPAGE101 (2023-24)

**Objectives:**

1. The course will be torch bearers of an overview of Geomorphology, the interior of the earth, earth movements, landform development processes, and practical component based on it
2. It makes understand to shed light on the definition, nature, and scope of geomorphology, the composition of the earth interior, geological time scale, continental drift theory and theory of plate tectonics and seafloor spreading and the role of plate tectonics in folding, faulting, volcanic eruption and earthquake, and geomorphic processes in the development of landforms with special reference to the Konkan region.
3. The course will express an understanding of land forming processes on different temporal and spatial magnitudes.

**Course Outcome:** This course will enable students to

**Knowledge:** The student can explain the nature and scope of Geomorphology, the interior of the earth, types of rocks and minerals, plate tectonics on the earth's surface and its relationship with folding, faulting, volcanic eruptions and earthquakes, land forming processes and basic theories related to landform development and slope.

**Skills:** The student can plan and carry out a geomorphological field investigation in the locality and identify the changing nature of the interior of the Earth.

**Ability:** The student can apply a precise geomorphological language to describe and discuss geomorphological processes.

**General Competence:** Students can use their geomorphological knowledge at local level.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- I  
Major - II: Social Geography BPAGE102 (2023-24)

**Objectives:**

1. The Course will enable the learners to understand the concept of Social spaces.
2. It will help them understand the notion of social groups, social identity and space
3. The course will teach them to relate to the social order.

**Course Outcome:** This course will enable students to

**Knowledge:** The learner can explain the concept of social spaces, social groups, social identity and social order. .

**Skills:** The student can plan and carry out a study of social spaces around them.

**Ability:** Learner will be able to understand how placement in society contributes to the growth of individual and society.

**General Competence:** Learners can make use of the understanding for survey and analysis at local level.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- I  
Major - III: Geography of Urban Settlements **BPAGE103 (2023-24)**

**Objectives:**

1. The Course will enable the learners to understand the concept of Urban settlements.
2. It will help them understand the development of urban centres, their problems and solutions.

**Course Outcome:** This course will enable students to

**Knowledge:** The learner will be able to explain the development of urban centres and concepts of urbanization.

**Skills:** The student can explain the problems encountered in the formation of urban spaces.

**Ability:** Learner will be able to correlate the problems of urban development and sustainable solutions.

**General Competence:** Learners will be able to evaluate the problems of urbanization in their immediate surroundings and suggest solutions for the same.



**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- I  
Major - IV: Practical - I BPAGE104 (2023-24)

**Objectives:**

1. This practical course is designed to provide the students ability to use practical techniques related to the study of Human Geography and Economic Geography
2. It aims to equip them with the creation of charts, tables related to the survey techniques used in Human Geography and Economic Geography.
3. This practical shall also help them learn to create graphical and thematic representation of data.
4. This practical will give the students an opportunity to handle some basic instruments used in the study of Human Geography and Economic Geography

**Course Outcome:** This course will enable students to

**Knowledge:** The students will gain the practical knowledge in the study techniques of Human Geography and Economic Geography

**Skills:** The students will be able to use statistical techniques to analyse data.

**Ability:** The student will learn to handle survey instruments.

**General Competence:** The student will gain competence to explain the theory concepts using practical techniques

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- I  
Major Elective: Geography of Trade **BPAGE105 (2023-24)**

**Objectives:**

1. The Course will enable the learners to understand the concept of National and International Trade.
2. It will help them understand the flow of trade, balance of trade and trade relations between nations; temporally and spatially.

**Course Outcome:** This course will enable students to

**Knowledge:** The learner can explain the concept of trade, flow of trade, balance of trade.

**Skills:** The student can evaluate the trade relations between nations; spatially and temporally

**Ability:** Learner can correlate world events and change in trade patterns

**General Competence:** Learners will be able to assess the importance of trade in development.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- I  
Minor: Research Methodology BPAGE106 (2023-24)

**Objectives:**

1. To give Researchers a general understanding of the Methodology of Geography.
2. To enable the scholars to know the Fundamental theory of research.
3. To strengthen the need of Interdisciplinary Research.
4. To inculcate the role of Case study analysis in the Methodology of Geography

**Course Outcome:** This course will enable students to

**Knowledge:** The students will gain knowledge of research methods and fundamental theory of research

**Skills:** The student will be able formulate research problems and carry out data collection and analysis.

**Ability:** The student will be able to independently carry out research in any field of interest and publish it.

**General Competence:** The student will gain competence in the field of data collection, survey and analysis.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- II  
Major -I: Principles of Climatology BPAGE201 (2023-24)

**Objectives:**

1. The course provides an overview of the climatology, insolation, temperature, air pressure and air masses.
2. It aims to shed light on the definition, nature, and scope of Climatology, composition of the atmosphere, insolation and heat budget, impact of temperature on weather and climate. Atmospheric pressure and circulation, air masses and special weather conditions.
3. The course shall further focus on the climatic classification.

**Course Outcome:** This course will enable students to

**Knowledge:** The student can explain the definitions, nature, and scope of Climatology, insolation, temperature, atmospheric pressure, air circulation, and classification of the air masses, frontogenesis and cyclones.

**Skills:** The student can explain the weather and climate of the region with geographical reasoning.

**Ability:** The students can understand how to apply their knowledge at local level.

**General Competence:** The student can find out the correlation between, insolation, temperature, air pressure and other weather conditions of the region.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**

Syllabus w.e.f. Academic Year, 2023-24

M.A. Semester- II

Major -II: Spatial Organization of Economic Activities BPAGE202 (2023-24)

**Objectives:**

1. The course provides an overview of the interlink between Geography and various economic activities.
2. It aims to shed light on the definition, nature, and scope of economic geography, approaches to the study of economic geography, fundamentals of industries and industrial geography, energy resources and the role of transportation in the economic development of the region.
3. The course shall further convey an understanding of Indian international trade and trade policy and the impact of leadership on the changing pattern of trade.

**Course Outcome:** This course will enable students to

**Knowledge:** The student can explain the nature and scope of Economic Geography, various branches of Economic geography, impact of geographical phenomena on the industry, transport, and trade, and various international organizations.

**Skills:** The student can plan think logically and critically also they can simplify complex issues and extract the relevant pieces of information.

**Ability:** The students will apply their knowledge at local level.

**General Competence:** The student can recognize spatial distributions at all scales — local and worldwide —to understand the complex connectivity of people and places.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- II  
Major -III: Geography of Rural Settlements BPAGE203 (2023-24)

**Objectives:**

1. The Course will enable the learners to understand the concept of Rural settlements.
2. It will help them understand the development of rural centres, their problems and solutions.

**Course Outcome:** This course will enable students to

**Knowledge:** The learner will be able to explain the development of rural centres and villages.

**Skills:** The student can explain the problems encountered by rural areas.

**Ability:** Learner will be able to correlate the problems of rural development and sustainable solutions.

**General Competence:** Learners will be able to evaluate the problems of villages in their immediate surroundings and suggest solutions for the same.

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- II  
Major - IV: Practical - II BPAGE204 (2023-24)

**Objectives:**

1. This practical course is designed to provide the students ability to use practical techniques related to the study of Geomorphology and Climatology
2. It aims to equip them with the creation of charts, tables related to the survey techniques used in Geomorphology and Climatology.
3. This practical shall also help them learn to create graphical and thematic representation of data.
4. This practical will give the students an opportunity to handle some basic instruments used in the study of Geomorphology and Climatology

**Course Outcome:** This course will enable students to

**Knowledge:** The students will gain the practical knowledge in the study techniques of Geomorphology and Climatology

**Skills:** The student will be able to create maps, charts, graphs and thematic maps

**Ability:** The student will learn to handle survey instruments.

**General Competence:** The student will gain competence to explain the theory concepts using practical techniques

**B. K. Birla College of Arts, Science and Commerce, Kalyan (W.)**  
Syllabus w.e.f. Academic Year, 2023-24  
M.A. Semester- II  
Major Elective: Geography of Health BPAGE205 (2023-24)

**Objectives:**

1. to acquaint the students with the role of geographical factors, viz., physical, demographic, social and economic, influencing the spatial distribution of diseases;
2. to highlight the relation of health with nutrition, environmental degradation and urbanization;
3. to decipher the causes of the changing disease pattern,
4. to make the students abreast of existing health-care facilities, so as to train them with better health care planning for the country.

**Course Outcome:** This course will enable students to

**Knowledge:** The learner will be able to understand role of geographical factors, viz., physical, demographic, social and economic, influencing the spatial distribution of diseases.

**Skills:** The student can highlight the relation of health with nutrition, environmental degradation and urbanization

**Ability:** decipher the causes of the changing disease pattern

**General Competence:** Learners will be abreast of existing health-care facilities, so as to train them with better health care.



## SYLLABUS OF F.Y.B.COM PROGRAMME

With Effect From 2023-24

### **MAJOR 1. COMMERCE PAPER-I (INTRODUCTION TO BUSINESS ) (CREDIT: 03)**

Course Code BUCCOM101

#### **COURSE OBJECTIVES**

1. To create awareness among the learners regarding the concept and importance of business
2. To apprise the learners regarding the business environment
3. To introduce learner skills and qualities required to develop entrepreneurship.
4. To familiarize learners regarding the setting up of Business unit

#### **COURSE OUTCOME :**

1. It is expected that the learners become fully conversant with the aspects of business, elements of business environment, entrepreneurship, and setting up of business units.
2. Learners appreciate the importance of business in developing the economy.
3. Learners consider entrepreneurship as a career option.

## SYLLABUS OF F.Y.B.COM PROGRAMME

With Effect From 2023-24

### **MAJOR 2. COMMERCE PAPER-II (Service Sector) (CREDIT: 03)**

Course Code BUCCOM102

#### **COURSE OBJECTIVES**

1. To make aware the learners regarding the broad framework of different types of Services.
2. To provide insights into the key requirements, opportunities and challenges in the services sector.

#### **COURSE OUTCOME :**

1. It is expected that the learners acquaint themselves with the opportunities and challenges in the services sector.
2. The learners are expected to develop skills relating to marketing of services.

(Major- I) FINANCIAL ACCOUNTING PAPER-I (03 CREDITS)

**1. Financial Accounting - I**

Course Objectives:

1. To make learners aware about the basic Accounting Concepts & Accounting Standards.
2. To acquaint the learners about preparation of final accounts of Sole Manufacturing / Trading concerns, including effects of capital & revenue items.
3. To orient the learners about Departmental Accounting and allocation of common expenses between departments and calculation of department wise profit.
4. To familiarize learners about Consignment Accounting.

COURSE OUTCOME:

1. The learners gain knowledge about the basic Accounting Concepts and Accounting Standards.
2. The Learners acquaint with basic accounting procedure to prepare final accounts of sole manufacturing/trading concerns including effects of capital & revenue items.
3. The learners acquire the knowledge of preparing final accounts of multidepartmental organization and consignment accounting.

(Major- II)

## FINANCIAL ACCOUNTING PAPER-II (03 CREDIT)

### **1. Financial Accounting - II**

Course Objectives:

- 1.To acquaint learners about conversion of single-entry records into double entry system.
- 2.To introduce the concept of Hire Purchase System & Accounting for Hire Purchase transaction with calculation of Interest.
- 3.To familiarize learners about Accounting of dependent branches.
4. To introduce the concept of Valuation of Inventory at cost and Accounting Standard-2.
5. To enable the learners to develop practical skills through Project Work.

Course Outcome:

1. The learners are able to convert single-entry records into double entry system.
2. The learners gain accounting knowledge and practical application of different organizations like dependent branch accounting, sale-on-hire purchase system and Valuation of Inventories at cost.
3. The learners acquire practical skills through Project Work.

New Education Policy (NEP 2020) with effect from the A.Y. 2023-24

F.Y. B.Sc. Semester- I

COURSE CODE: BUSMB101 (2023-2024) (Theory) Credits- 02

Title: Fundamentals of Microbiology

LEARNING OBJECTIVES:

- To study the historical developments in the field of microbiology.
- Learn the fundamental aspects of hypothesis generation and testing, including the development of theoretical and practical skills in the design and execution of experiments.
- Development and execution of oral and writing skills necessary for effective communication of experimental results.
- Learn the fundamental aspects of Prokaryotic and Eukaryotic Cell structure and function, and the differences between these cells.
- To learn the basic structure and function of biomolecules.
- Think in a critical & creative manner.

Title: Basic Techniques in Microbiology

COURSE CODE: BUSMB102 (2023-2024) (Theory) Credits- 02

LEARNING OBJECTIVES:

- Learn and understand the principles of working of the light microscope and other modified microscopes and to know the differences between them.
- To be able to apply this knowledge in the laboratory.
- Understand the principles of staining and to use various types of staining techniques to differentiate between microorganisms and special staining techniques to demonstrate special structures of a cell.
- Understand the basic concepts of microbial genetics and nutrition.
- Gain knowledge of the principles and basic methods involved in the study and control of microbes.

**F.Y. B.Sc. Semester- II**  
**Microbiology**  
**COURSE CODE: BUSMB201 2023-2024 (Theory) Credits- 02**  
**Title: Basics of Microbiology**

**LEARNING OBJECTIVES:**

- Learn about the different groups of microbes and identify their differences.
- Appreciate the diversity amongst organisms.
- Associate the organisms fundamental cell function with various applied aspects of microbiology and biotechnology.
- Study on a comparative basis the various groups.
- To learn and understand the different stages of microbial population growth.
- Be able to calculate generation time of microorganisms.

**Course Code: BUSMB202 (2023-2024) (Theory) Credits- 02**  
**Title: Exploring Microbiology**

**LEARNING OBJECTIVES:**

- Learn microbial interactions and concepts.
- Learn the principles of advanced techniques in microbiology & instrumentation.
- To understand different roles of microbes in and on the human body.
- Learn and understand human-microbe interactions.