

Department of Economics

First Year- First Semester

Course-Micro Economics:

- CO-1: Concept of equilibrium its type and discussion on market model.
- CO-2: What is consumer behaviour, what are various concepts of utility and indifference curves principles and their effect on consumer behaviour along with consumers' surplus applications?
- CO-3: Discussion of production and cost with its types and various laws applicable in micro economic analysis.
- CO-4: To understand the revenue and elasticity and condition of equilibrium to take output decisions and profit maximisation.

Course-Macro Economics:

- CO-1: National Accounting and its concept with 2 sector and 3 sector model and its relation with economics welfare.
- CO-2: Concept of classical theory and Keynesian model of employment and income determination.
- CO-3: To understand Keynesian Consumption Function and its various features along with the technical attribution of consumption Function.
- CO-4: Investment analysis and determination of various investment variables with understanding on the principle of Acceleration & Multiplier.

First Year- Second Semester

Course- Micro Economics (Part-II):

- CO-1: Elaborate discussion on various market structures with derivations on price output determination.
- CO-2: How the various prices are determined of the factor of production both in perfect & imperfect competition. The theories of distribution are also taken up.
- CO-3: Basic senses of welfare economics and its model.
- CO-4: What are the various micro economics concepts like pay-back period, IRR etc.

Course- Macro economics (Part-II):

- CO-1: Theories of interest and its policy Implications.
- CO-2: Discussion on various phases of business cycles and its theories.
- CO-3: Money and its functions with the concept of Fisher, Cambridge, Keynes.
- CO-4: Critical analysis of inflation & Deflation- its causes and control along with the theories applicable to developing countries.

Second Year- Third Semester

Course- Elementary mathematics for Economics:

- CO-1: Basic concept of mathematics with function and continuity.
- CO-2: Matrix and Determinants with application.
- CO-3: Differential Calculus with rules of differentiation.
- CO-4: Integral Calculus with basic rules of derivation.

Course- Monetary System:

- CO-1: Concept of money, supply of money & measures.
- CO-2: Commercial Banking System with Portfolio's management and process of credit creation.
- CO-3: Central Banking System with credit control and monetary policy. Promotional rule of central bank.
- CO-4: What is financial system, Constituents- an elaborate discussion on money market & Capital market.

Second Year- Fourth Semester

Course- Mathematical Application in Economics:

- CO-1: Use of calculus in economic applications both producers and consumer behaviour. How calculus is used in simple market model, National Income model.
- CO-2: Unconstrained and Constrained optimization problem with more than one explanatory variables.
- CO-3 Linear Programming problems with inequality problems & Graphical solutions. What is 2 person zero sum game, non zero sum game?

Course- Introduction to Development Economics:

- CO-1: What is Development economics and structural changes in development process?
- CO-2: Economics growths, sources, theories of smith, Ricardo & Harrod Damar.
- CO-3: Vicious circle of poverty and theories of persistence of underdevelopment with Balanced and Unbalanced growth strategies.

Third Year- Fifth Semester

Course- Elements of Public Finance:

- CO-1: What is Public finance, distinction between public goods and private with role principle?
- CO-2: What is Public Revenue & its sourced?
- CO-3: What is Public Expenditure, causes, classifications and principles?
- CO-4: What is Public Debt, its types, its effects on production & distribution and applicability in UDC?

Course- Basic Statistics for Economics:

- CO-1: Central Tendency and dispersion with illustrations.
- CO-2: Correlation and Regression analysis with properties.
- Co-3: What are the concepts of probability, theorem & various standard probability distribution.

Course- Elementary Econometrics (M502) Science:

- CO-1: Theoretical frequency distribution and application
- CO-2: Concept of sampling distributions & standard error of statistics, methods of estimation with 't' and 'chi-square' distribution.
- CO-3: What is a linear regression model, how is it estimation and its properties.

Course- Introduction to Environmental Economics:

- CO-1: Environmental Economics with knowledge of nature & scope.
- CO-2: Externally, market failure and environment as a public good.
- CO-3: Explanation on Kuznets' curve and various pollution control policies & laws.
- CO-4: What are the global environmental issues, implications?

Course- International Trade (M504):

- CO-1: What are the various theories of international trade with critical analysis?
- CO-2: Various concept of Terms of trade, Gains from Trade & Use of Offer curves.
- CO-3: Analysis of international trade policy with arguments for and against protection, tariffs, quotes.

Course- History of Economic Thought (M505):

- CO-1: Discussion on Early periods of thoughts mercantilism & physiocracy.
- CO-2: Classical Period of thought includes Smith, Ricardo, Malthus, Say, Milllet.
- CO-3: Contribution of Socialist Thoughts-Marx theory.

Course- Development Policy and Indian Economy (M506):

- CO-1: Feature of Indian Economy, National Income & Discussion on various sectors.
- CO-2: Poverty, Inequality & Unemployment its causes & remedies on Indian Situations.
- CO-3: Agriculture with land reforms, green revolution, food security.
- CO-4: Elaborate discussion on Role of industries & Industrial Policy- prior & after reforms.

Third Year- Sixth Semester

Course- Public Economics (M601):

- CO-1: What is taxation? - Its principle & theories, its impact and incidences & its effects.
- CO-2: What is budget? - Its classification and distinguishing features.
- CO-3: Fiscal Policy- its role, components & objectivities.
- CO-4: Federal Finance- principles and current Finance Commission

Course- Applied Statistics (M602) for Arts:

- CO-1: Concept of Index nos- problems, methods and illustrations
- CO-2: Time series analysis, Components, measurements of trend.
- CO-3: Concept of vital statistics with measurement of fertility, mortality rates etc with illustration.
- CO-4: Sample Survey with types and various methods of sampling.

Course- Econometric methods (M602) for Science:

- CO-1: To study the problems in OLS estimation, their consequences, directions & remedies.
- CO-2: Log models & dummy variables in econometrics
- CO-3: Time series analysis and discussion on measurements of trend.

Course- Economics of Natural Resources and Sustainable Development (M603):

- CO-1: Natural Resources- its types and characteristics.
- CO-2: What are economics of Non-Renewable Resources?
- CO-3: What are economics of Renewable Resources?
- CO-4: Sustainable Development, Environmental Accounting etc.

Course- International Economics (M604):

- CO-1: Nature & Scope.
- CO-2: SOP, equilibrium & Disequilibrium.
- CO-3: Foreign Exchange Market & Exchange Rates.
- CO-4: Economic Integration, Customs Union.
- CO-5: IMF, IBRD, WTO.

Course- History of Economic Thought (M605):

- CO-1: Marginalist, Austrian, Neo-Classical Schools.
- CO-2: Keynesian Economics.
- CO-3: Indian Economic Thought.

Course- Planning for Development (M606) :

- CO-1: Planning Types, Goals, Strategies etc.
- CO-2: Global economics Discussion.
- CO-3: Economic Problems of NE India.

Pass Course

Course- Elementary Microeconomics (E101):

- CO-1: The idea of equilibrium in Economics with its types as static, dynamic, etc.
- CO-2: Cardinal and Original Approach with all aspects including Consumers' Equilibrium Giffen Paradox.
- CO-3: Production Function- Isoquants, properties expansion path and law of variable proportions.
- CO-4: Equilibrium of Firm and industry, ideas of monopoly, oligopoly.
- CO-5: Factor Pricing- Wage determination under perfect competition, monopsony and so on alongwith theories of rent and profit.

Course- Introductory Macroeconomics (E201):

- CO-1: What is National Income and its aggregates with measurement. Relation with economic welfare also to be discussed.

- CO-2: Discussion on theories of employment such as classical theory and Keynesian theory w.r.t consumption function, investment function etc.
- CO-3: A view of inflation with ideas on demand pull and cost push theories with its effect on Production and Distribution.

Course- Money, Banking and Finance (E303):

- CO-1: Quantity theory of money with discussion on cash transaction & Cash Balance Approaches.
- CO-2: Commercial Banking.
- CO-3: Control Banking.
- CO-4: Business Cycle idea: Theory of Trade Cycle by Hauntrey.
- CO-5 Idea of monetary Policy with its objectives.
- CO-6 Explanation of financial system with its functions and constituents as well as stock markets.

CO - Indian Economy with Issues of NE- E 403

- CO-1 Discussion on Trend and composition of National Income and PCI as well as SDP of NE.
- CO_2 What is the role of Agriculture in the Economic development of India as well as land reforms.
- CO-3 A view of Industrial progress and industrial development.
- CO-4 Discussion on Natural Resources of Assam with demographic features.
- CO-5 Transport, Power and communication.

CO; Public Finance E-503

- CO-1 A distinction between Public and Private Finance with difference between Public goods and Private goods.
- CO-2 A view of the whole concept of Public revenue in particular Direct Tax, Indirect tax, taxable capacity , effects also to be included.
- CO-3 Public Expenditure and its effects on production, distribution and economic stability and Role.
- CO 4 Idea of public Debt.
- CO_5 Main objective of Fiscal Policy.
- CO-6 Govt Budget with Capital and Revenue Budget.

CO Introduction to Growth and Development economics-E504

- CO-1 Idea of Economic Growth with its Sources
- CO-2 Development and underdevelopment – an explanation of GDP and PCI as indicators.
- CO_3 Theory of Cumulative causation with Strategy of balanced Growth and Unbalanced Growth Idea of Lewis theory of Development.
- CO-4 Sectoral development with Role of Agriculture and Industry in Economic development . Choice of Technique is Included.

CO- International economics E603

- CO-1 Introduction to international economics with Recardian theory of International trade.
- CO-2 Terms of Trade-a view.
- CO-3 Balance of Trade with Idea on Dis-equilibrium in BOP, its causes and types.
- CO-4 I dea on Foreign exchange rates
- Co-5 A brief idea of International institutions.

CO Planning and development in India E604

- CO-1 basic features of Indian Economy with concept of Planing , Rationale, Role, Goals Etc.
- CO-2 Features of Globalization and Consequences with Trend and composition of foreign Trade .
- CO_3 Idea of Decentralized planning.
- CO-4 Brief idea of Proverty Alleviation programmes in India

Programme Outcome on Economics

The programme outcome of the Three Year course with Economics as major subject may be with regard to further studies and with regard to career

Regarding further studies, the students who completed this programme may be eligible for appearing for post- graduation in Development Studies (IITG) , and in Economics or Business m Management (any university) as well as in Business Economics. They can also study further in Law or other related subjects. After Post Graduation they can do further studies in different Universities (here or abroad) for Doctoral or Post Doctoral research.

With regard to career prospects, the students who have completed this programme can be eligible for Entrance into any bank Examination (Claricalor for P.O. Post) they can be eligible for Entrance to ACS or IAS cadre too. They can directly apply for posts in banks, Insurance companies, other private companies, Govt. of semi Govt. agencies, Schools, TET Exam., further, they may immerse themselves in NGO work which are working in socially relevant issues

DEPARTMENT OF STATISTICS

Students' Performance and Learning Outcome

PROGRAM OBJECTIVE (Pos):

- P01: To make the students acquainted with the philosophy behind the statistics, objectives of statistics, various concepts as well as theories (both fundamental/basic & applied) of statistical science.
- P02: To make the students acquainted with the various concepts as well as theories of mathematics which are essential in learning the theory of statistics as well as in applications of statistics.
- P03: To make the students acquainted with the various concepts as well as theories of Computer Science which are essential in learning the art of application of statistical theory in data analysis.
- P04: To enable the students in collection, handling and analysis of real data.
- P05: To enable the students qualified, efficient and fit for higher learning in Statistics and statistics-related fields.
- P06: To make the students qualified, efficient and fit for serving the society by doing works in the fields like education, research, economics, business, trade & commerce, medical & health science, agriculture, survey, census and many others .
- P07: To enable the students to earn quality {efficiency} in composing article/paper/project report, delivering speech/talk, presenting article/paper/project report in meeting/seminar/conference.

PROGRAM SPECIFIC OUTCOME (PSOs):

- PS01: Demonstrate the various concepts as well as theories of some branches of mathematics namely Classical Algebra, Matrix Algebra, Real Analysis, Numerical Analysis and Linear Programming which are essential in learning the theory of statistics as well as in applications of statistics.
- PS02: Demonstrate the various concepts as well as theories of the core branches of statistics namely Probability, Descriptive Statistics, Distribution Theory, Sampling Theory, Statistical Inference (Estimation and Testing of Hypothesis as two aspects) and Experimental Design.

- PS03: Demonstrate the various concepts as well as theories of the branches related to the Application of Statistics namely Vital Statistics, Time Series Analysis, Demand Analysis, Index Numbers, Statistical Quality Control and Operations Research.
- PS04: Demonstrate the basic languages of Computer Science and the technique/art of composing/writing programs for various useful statistical computations.
- PS05: Demonstrate proficiency in establishing validity of statistical theories with applications.
- PS06: Investigate and apply statistical techniques in handling with the real problems based on data.
- PS07: Educate students about the various aspects of data with special emphasis on collection, handling and analysis of real data.
- PS08: Educate students about the use of computer programming in learning the art of application of statistical theory in data analysis.

COURSE OUTCOME (Cos):

- C01: Familiarize the students with the basic concepts and theories of Classical Algebra and Matrix Algebra.
- C02: Familiarize the students with real analysis and there uses in solving problems.
- C03: Equipped the students to understand linear programming problem and find optimum solution which are essentially useful in the field of Operations' Research
- C04: Enables the students to learn Numerical Analysis with special emphasis on Numerical Interpolation, Numerical Integration, Numerical Differentiation and Theoretical & Numerical solution of Difference Equation and of Non-linear Equation.
- C05: Equipped the students to understand Probability and Distribution with applications.
- C06: Enables the students to learn Data Collection, Data Handling and Data Processing (specially Analysis).
- C07: Enables the students to learn Statistical Measures of Various characteristics of data.
- C08: Familiarize the students with design of experiment and design of survey.
- C09: Helps the students in understanding of the art of application of statistics in the fields like Demographic Analysis (including Vital Statistics Analysis and Epidemiology), Demand Analysis, Time Series Analysis, Quality Control and Operations Research.
- C010: Enables the students to learn the concepts and theories of Estimation and of Hypothesis Testing which are essentially useful in decision making problems.
- C011: Acquaints the students with the use of computer programming in statistical computation.
- C012: Make the students enabled in composing computer programs for various computational purposes.

CO13: Acquaints the students with multivariate data in addition to data on single variable and their analysis.

CO14: Make the students enabled in conducting field work/survey.

CO15: Make the students enabled in identifying & formulate research problem and in conducting minor research study.

Attainment of Pos, PSOs and COs are evaluated by the college through procedures laid down by the affiliating university.

Assessment

- Sessional examination.
- Mid Semester and End Semester Examination.
- Home Assignment.
- Field Work/survey
- Project Work.
- Group Discussion
- Counselling
- Seminars and Presentation

the PSO of the department of Assamese

Course outcome :

CO1:history of Assamese Literature(Folk literature to Shankardeva era) and Script

CO2 :Old Poetry

CO3 :History of Literature(post Sankardeva to Avahon era)

CO4 : Modern Assamese Poetry

CO5 : Assamese Language

CO6 : Special Author (Shankardeva or Lakshminath bezbarua)

CO7 : Assamese Grammar

CO8 :Study of assamese Races and Culture

CO9 : Field studies on specific places ,tribes,festival,custom,folk performing art,folk literature and language .

CO10 :Old Assamese Drama

CO11 : Old Assamese Prose

CO12 : Study of Brajabuli Literature

CO13 : Pali Prakrit Literature and Grammar

CO14 : Literary Criticism

CO15 : Nature of Language

CO16 :Modern Assamese Drama

CO17 :Modern Assamese Prose

CO18 :Modern Indian Literature

CO19 :Assamese Short story and Novel

CO20 :Metre and Figure of Speech

CO21 :Introduction to linguistics

PROGRAMME SPECIFIC OUTCOME FOR B.A.COURSE IN ASSAMESE MAJOR :

The students doing B.A.course in Assamese are expected to acquire a basic knowledge about the History of Literature, ,Caste and Creed,Culture and Linguistic encounters. It is categorised into many forms like fiction ,non fiction,poeetry, prose ,novel,short story , drama etc. It is considered to be an art form which possess intelactical value.

At the end this course induces an urge amongst the students to find out logic behind every aspect of life .Students become strong enough to raise question about the unseen eventually broadening the horizon of mind .

DEPARTMENT OF BENGALI

COURSE OUTCOME: BENGALI LITERATURE

Bengali literature is very rich from different aspects. It is our proud possession. Many famous writers and poets have created immortal pieces in Bengali. Rabindranath Tagore, being a writer in Bengali earned world fame and was awarded Nobel Prize for literature. Bengali literature is much needed in the field of language and literature.

- ❖ CO1. The human aspect and the finer senses get widened in the close touch of literature.
- ❖ CO2. The history of Bengali literature gives us ideas about the economic, political and social background of Bengal.
- ❖ CO3. It has given birth to a good number of dramas and innumerable poems which are transformed into performing art.
- ❖ CO4. The students of this subject are taught proof reading, reporting etc. which can be taken up as their profession as well.
- ❖ CO5. They can take up writing as their profession. Journalism is also another important profession which they can take up easily.
- ❖ CO6. This literature has contributed to the world cinema with its many rich creations.
- ❖ CO7. It is observed that majority of Bengali novels deal with psychological aspects of human being which help the students in their grooming.
- ❖ CO8. Social issues have been elaborately discussed in this literature. Students who read such literature are inspired to take up the social issues as a hobby or as a profession as well.