

## **M.Sc. (AGRIBUSINESS ECONOMICS)**

### **AE-A-01: INDIAN AGRICULTURAL ECONOMICS**

The objective of the paper is to acquaint the learner with introductory Agricultural Economics, development of agriculture in India, use of yield increasing inputs, marketing and prices.

### **AE-A-17: MICROECONOMICS - I**

This course is the first attempt to develop the theoretical structure of microeconomics. The objective of this course is to develop an understanding of the basic principles of microeconomics. It is intended to improve student's analytical skills and ability to solve problems, which will be useful in several other areas of economics. By the end of this course the student is expected to be familiar with basic concepts of microeconomics and acquire analytical skills to analyse problems of economic policy. Examples and exercises would be covered to provide a flavour of various applications.

It does not require any previous knowledge of microeconomics. Familiarity with calculus and optimisation theory will be helpful. Relevant mathematical tools will be developed during the course whenever necessary.

### **AE-A-18: MICROECONOMICS - II**

This is the second part of the core Microeconomics Sequence. This course introduces fundamental concepts and topics developed in microeconomic theory. It will cover roughly 4 topics: 1) Theory of General Equilibrium, 2) Economics of Uncertainty, 3) Games of Incomplete Information and 4) Information Economics. The aim is to be as thorough as possible in a single semester time period. The theoretical tools developed in these topics are essential in many different fields in economics.

### **AE-A-03– MACROECONOMICS**

The objective of the paper is to familiarize the students about the contribution of various schools of thought in macroeconomics. The course structure covers the major debates and intends to provide wider vision of the present discourses in macroeconomics. The course will help to develop aptitude to relate concepts with research and policy.

### **AE-A-04: STATISTICS**

The objective of the paper is to familiarize the students with statistical techniques used in agribusiness operations and agricultural policy analysis.

### **AE-A-05: FARM MANAGEMENT ECONOMICS**

To expose the students to the concepts, significance and uses of production economics in an agricultural context.

### **AE-A-06: AGRICULTURAL POLICY FRAMEWORK IN INDIA**

The objective of this course is to provide orientation to the students regarding the agricultural policies and its effect on sustainable agricultural development and to make them to understand the globalization and its impact on agricultural development.

### **AE-A-07: AGRICULTURAL FINANCE**

The course aims to make students proficient in concepts and techniques of agricultural financial management.

### **AE-A-08: INTERNATIONAL TRADE IN AGRICULTURE**

The course provides insights into theoretical aspects as well as policy related issues in international trade in agricultural commodities. The objective is to acquaint the students with various principles and theories that explain basis for international trade and trade patterns, trends and patterns in international trade in agriculture, provisions of Agreement on Agriculture under WTO and their impact on agricultural trade with a focus on status of developing economies. The paper also deals with various issues relating to Indian agricultural trade and export import procedures and documents needed for conducting import export business.

### **AE-A-19: BASIC ECONOMETRICS**

The objective of this paper is to introduce basic econometric techniques that are widely used in empirical work in economics and other related disciplines. It covers the problems faced in estimation and inference in the context of single and multiple equations regression model. The focus is on conceptual understanding and 'hands on' applications using economic data drawn from real-world examples, rather than on formal theoretical proofs alone. By the end of the course, students should be able to develop simple econometric models and interpret the econometric and statistical results reported in other studies.

### **AE-A-10: AGRICULTURAL RISK MANAGEMENT AND INSURANCE**

The objective of this paper is to expose the students to the various kinds of risk in farming, risk management strategies and mechanisms and insurance policies.

### **AE-A-11: STRATEGIC AGRO-FOOD MARKETING**

The objective of this paper is to apprise students regarding various aspects of agro-food marketing.

### **AE-A-20: ACCOUNTANCY AND FINANCIAL STATEMENT ANALYSIS**

The course aims at providing basic understanding of various essential concepts of accountancy and preparation of accounting statements, introduction to accounting standards and IFRS framework of accounting.

### **AE – A-13: ENVIRONMENTAL ECONOMICS**

This course is meant to provide some insights into the application of economic theory in the design and implementation of public policy related to the management of environment issues and problems. The course finds roots in welfare economics, national income accounting, macroeconomic policies and trade and development. Modules incorporated in this paper are devoted to issues of environmental microeconomic theory and problems, market induced correctives, environmental valuation, natural resources accounting, optimal use of natural resources, sustainable development and environmental resource problems in India.

### **AE-A-21: ADVANCED ECONOMETRICS**

### **AE-A-16: SUPPLY CHAIN IN AGRICULTURE**

The course introduces students to the concepts and processes of agricultural supply chain management.

### **AE-B-02: AGRICULTURAL COOPERATIVES**

The objective of this course is to acquaint the students with agricultural cooperatives in India.

### **AE-B-03: AGRO-PROCESSING INDUSTRIES**

The objective of this course is to acquaint the students with different food processing techniques and their management.

### **AE-B-04: ORGANIZATIONAL STRUCTURES IN AGRICULTURAL PRODUCTION**

The course introduces students to the types and systems of farming, contract and organic farming.

### **AE-B-05: COMMODITIES AND COMMODITY DERIVATIVES**

To apprise students regarding various aspects of Commodities and Commodity Derivatives

### **AE-B-08: INDUSTRIAL ORGANIZATION IN AGRIBUSINESS**

The course will analyze marketing and other strategic decisions by agribusiness sector actors in a market environment characterized by, product differentiation, imperfect information, and market power. The course uses microeconomic theory, including game theory, industrial organization, and agency theory to analyze the behaviour of integrated processing firms, contractual relations between processors and food retailers, behaviour of food retailers, and contractual relations between food retailers and customers.

### **AE-B-09: FINANCIAL ECONOMICS**

The course on Financial Economics is designed with 3 objectives in mind. Firstly, to familiarize students with the financial system and its components viz. financial instruments, financial institutions, financial markets and financial regulations. Secondly, to familiarize them with contemporary theories about the workings of different financial markets including money market, capital markets (bonds, stocks and hybrids) and derivative markets. Thirdly, familiarize them with the policy and regulatory framework within which financial institutions are required to function.

### **AE-B-10: ECONOMIC GROWTH AND DEVELOPMENT**

The course is about the fundamental models used to analyze theoretical and empirical issues in economic growth and development. The main objective of the course is to familiarize students with the problem of development in underdeveloped and developing economies. The focus of the course is to: (i) discuss the major theoretical developments in areas of Growth economics and policy discourse; (ii) analyze the economic problems of developing countries, especially problems related to slow growth, high poverty rates, high income inequality, etc.; (iii) discuss strategies for attaining sustainable growth, reducing poverty, income inequality and use of theory and empirical analysis to address issues in these areas.

### **AE-B-11: POLITICAL ECONOMY OF INDIA'S DEVELOPMENT**

This course is designed to offer a broad structure of major issues, debates, dilemmas, relating to the key trends, aspects, features, and the future of India's economy. The course, which is oriented in a political economy perspective, aims at imparting rich analytical insights and understanding about India's economy so that students can develop a strong sense of potential, possible, and useful areas for further research on India's development from political economy perspective

### **AE-B-12: NATIONAL INCOME ANALYSIS**