

M.Sc. (Ag.) Agricultural Economics (2 years) Programme

AEC 611 Micro Economic Analysis (2+1)

Course Outcomes:

- CO 1. Understand the basic concepts related to consumer behaviour.
- CO 2. Identify the way to maximize profit through cost minimisation.
- CO 3. Know the different market structures and to identify long run and short run equilibrium.
- CO 4. Analyse factor pricing methods under perfect and imperfect market situation
- CO 5. Apply micro economic principles for the welfare of farming community.

AEC 612 Macro Economic Analysis (2+0)

Course Outcomes:

- CO 1. Understand the concepts of national income and methods for measurement of national income.
- CO 2. Analyse the relationship between consumption, saving and investment.
- CO 3. Understand the nature of inflation and ways to control it.
- CO 4. Analyze monetary and fiscal policies.
- CO 5. Identify barriers in international trade.

AEC 613 Agricultural Marketing and International Trade (2+1)

Course Outcomes :

- CO 1. Estimate the marketing efficiency.
- CO 2. Know the role of ICT in agricultural marketing.
- CO 3. Forecast the price, demand and supply.
- CO 4. Discuss the ways to minimize market risk.
- CO 5. Identifying the role of different organizations in international trade and the share of agriculture in total export.

AEC 614 Research Methodology for Social Sciences (1+1)

Course Outcomes:

- CO 1. Understand the role and importance of research in the social science.
- CO 2. Identify the appropriate research design for different research problem.
- CO 3. Know the different methods to collect data and selection of variables.
- CO 4. Use econometric software in data analysis.
- CO 5. Interpret the results and write research report & research articles.

AEC 621 Agricultural Production Economics (1+1)

Course Outcomes :

- CO 1. Know the physical and economic optimum point of output.
- CO 2. Suggest efficient way of usage of agricultural resources.
- CO 3. Make decision on individual farm production effectively.
- CO 4. Analyse agricultural production function using programming techniques.
- CO 5. Identify the policy measures to enhance profit through risk management.

AEC 622 Agricultural Finance and Project Management (2+1)

Course Outcomes:

- CO 1. Understand nature and scope of financial management in agribusiness.
- CO 2. Identify the tools for credit, repayment and down payments.
- CO 3. Assess the performance of farm using financial ratios.

- CO 4. Do the appraisal of projects by measurement of costs benefits and sensitivity analysis.
- CO 5. Assess yield loss and to identify risk management strategies.

AEC 623 Basic Econometrics (2+1)

Course Outcomes :

- CO 1. Identify the variables for regression.
- CO 2. Formulate and estimate non linear models.
- CO 3. Test the hypothesis and interpret the results.
- CO 4. Deduct the problems in relaxing the assumptions of classical regression model.
- CO 5. Run the dummy variable regression models independently.

AEC 624 Agricultural Development Policy Analysis (2+0)

Course Outcomes :

- CO 1. Understand economic growth and development.
- CO 2. Analyze indicators of economic development.
- CO 3. Know the role of agriculture in economic development.
- CO 4. Discuss various development issues and identify the policy options for sustainable agricultural development.
- CO 5. Identify the impact of globalization on economic development.

OPC AEC 621 Natural Resource and Environmental Economics (2+1)

Course Outcomes :

- CO 1. Gain knowledge on basic concepts of environmental economics.
- CO 2. Identify the optimal extraction level of renewable resources using economic models.
- CO 3. Assess the ways to manage common property resources.
- CO 4. Understand environmental legislations in India.
- CO 5. Analyse economic problems related to natural resource use including climate change problems.

OPC AEC 711 Agri Business Analysis (2+1)

Course Outcomes :

- CO 1. Understand special features of agribusiness and its importance in Indian economy.
- CO 2. Understand the principles of agribusiness management.
- CO 3. Know the ways to communicate information effectively and economically.
- CO 4. Analyse the future prospects of agribusiness using different approaches of management.
- CO 5. Estimate economic and financial feasibility of agri-business industries.

OPC AEC 712 Agricultural Insurance and Risk Management (2+1)

Course Outcomes:

- CO 1. Understand the role of financial institutions in agricultural development.
- CO 2. Understand kinds of risk in agriculture and allied sectors.
- CO 3. Know the principles of insurance and assess the credit need.
- CO 4. Analyse different risk management techniques.
- CO 5. Discuss the role of agencies involved in agricultural insurance and types of insurance products.

STA 612 Statistics for Social Sciences (2+1)

Course Outcomes :

- CO 1. Understand the different sampling methods and its importance.
- CO 2. Fitting the regression and correlation analyses and test the significance.

CO 3. Know the time series analysis and other non-parametric tests.

PGS 611 Research Data Analysis (0+1)

Course Outcomes :

- CO 1. Use various statistical packages.
- CO 2. Identify the variables and models.
- CO 3. Interpret the results.

PGS 623 Basic Analytical Techniques (0+1)

Course Outcomes:

- CO 1. Identify the methods to collect data.
- CO 2. Do different econometric analysis.
- CO 3. Forecast economic variables using AR,MA, and ARIMA models.

PGS 715 Intellectual Property and its Management in Agriculture (1+0) (e-course)

Course Outcomes :

- CO 1. Understand the concepts in international trade.
- CO 2. Understand the procedure to obtain patent rights.
- CO 3. Know the way to protect extinct varieties.
- CO 4. Create awareness about geographical indications of goods and commodities.
- CO 5. Identify the way to commercialize intellectual properties.

M.B.A. (Agribusiness)

ABM 611 Principles of Management and Organizational Behaviour (2+0)

Course outcome:

- CO 1. Understand the current developments in management practices.
- CO 2. Identify and apply appropriate management techniques for managing contemporary organization.
- CO 3. Know how managers align the planning process with mission and vision.
- CO 4. Discuss organizational process from different theoretical perspectives.
- CO 5. Understand organizational conflicts and identify the way to achieve organizational effectiveness.

ABM 612 Managerial Economics (2+0)

Course outcome:

- CO 1. Understand the roles of managers in firm.
- CO 2. Analyze the demand and supply conditions.
- CO 3. Design competition strategies, including costing, pricing, product differentiation and market environment.
- CO 4. Analyse the decisions which are taken under different marketing structure.
- CO 5. Analyse the real world business problems with a systematic theoretical frame work.

ABM 613 Human Resource Management (2+0)

Course outcome:

- CO 1. Understand the importance of human resources and their effective management in organization.
- CO 2. Identify the current practice of recruitment.
- CO 3. Demonstrate the different performance measuring techniques.
- CO 4. Understand role and status of trade unions.
- CO 5. Indentify various welfare measures taken by agro industries for the benefit of their workers.

ABM 614 Production and Material Management (1+ 1)

Course outcome:

- CO 1. Identify the scope for integrating materials management function over the logistics and supply chain operations.
- CO 2. Analyze the materials in storage, handling. Packaging. Shipping distribution and standardizing.
- CO 3. Identify various purchasing method and inventory controlling techniques
- CO 4. Analyse the materials in storage, handling, packing, shipping distributing and standardizing.
- CO 5. Identify various purchasing method and inventory controlling techniques.

ABM 615 Research Methodology in Business Management (1+ 1)

Course outcome:

- CO 1. Grasp the significance of literature study, case study and structured surveys in agri business research.
- CO 2. Know the different methods to collect data and coding of data.
- CO 3. Determine the appropriate sample size and sampling methods.
- CO 4. Select the variable related to research problem and to analyse using econometric methods.
- CO 5. Test the hypothesis and write the research report.

ABM 621 Agricultural Marketing Management (2+0)

Course outcome:

- CO 1. Formulate a marketing plan.

- CO 2. Construct strategies for the efficient distribution of agricultural products and services by knowing consumer behaviour.
- CO 3. Determine strategies for developing new products and services that are consistent with evolving market needs.
- CO 4. Evaluate results of marketing activities.
- CO 5. Analyse various channels involved in agribusiness for effective distribution of goods.

ABM 622 Managerial Accounting and Control (1+1)

Course outcome:

- CO 1. Understand principles of financial accounting.
- CO 2. Differentiate various investment, transactions and performance measurements.
- CO 3. Know the role and management audit and financial audit in management accounting.
- CO 4. Know the basics and significant of cost accounting techniques.
- CO 5. Prepare budget efficiently and measure performance by analyzing standards costs.

ABM 623 Agricultural Project Management (1+1)

Course outcome:

- CO 1. Know the scope, cost, timing and quality of the project.
- CO 2. Identify project goals, constraints and resources requirements in consultation with stakeholders.
- CO 3. Understand social cost and benefit analysis and the make choice among mutually exclusive projects.
- CO 4. Evaluate the projects using programming techniques.
- CO 5. Apply project management practices to meet the needs of state holders from multiple sectors of the economy.

ABM 624 Agribusiness Financial Management (2+0)

Course outcome:

- CO 1. Grasp the significance of common investment criteria and project cash flows.
- CO 2. Know capital investments decision and financial policies to business valuations
- CO 3. Analyze working capital and inventory for agri business.
- CO 4. Identify relevant cash flows for capital budgeting projects and apply various methods to analyse projects.
- CO 5. Understand the functions of various financing institutions and analyse financing system in agribusiness sectors.

ABM 625 Operations Research (1+ 1)

Course outcome:

- CO 1. Construct linear programming models for shortest path, maximum flow, minimum cost flow, critical path, transshipment problems.
- CO 2. Solve the problems using special solutions algorithms.
- CO 3. Set up decision models and use some solutions methods for nonlinear optimization problems.
- CO 4. Solve multi – level decision problem using dynamic programming method.
- CO 5. Use game theories in solving agri business problems.

ABM 626 Agri Business Environment, Business Law and Policy (1+0)

Course outcome:

- CO 1. Understand the general legal boundaries.
- CO 2. Identify legal issues that impact financial and other risks effecting business.

- CO 3. Identify and interpret sources of law effecting business.
- CO 4. Analyse the relevant case law for the purpose of finding legal precedents.
- CO 5. Analyse the legal issues affecting business.

ABM 711 E 1 Logistics and Supply Chain Management (2+0)

Course outcome:

- CO 1. Understand fundamental supply chain management concepts, analyse and improve supply chain processes.
- CO 2. Understand basic principles of operations management in supply chain.
- CO 3. Apply logistic and purchasing concepts to improve supply chain operations.
- CO 4. Construct the supply chain management technique with corporate goals and strategies.
- CO 5. Apply information technology in supply chain management.

ABM 711 E2 Farm Business Management (2+0)

Course outcome:

- CO 1. Understand the farm management problems for taking decisions.
- CO 2. Gain the knowledge about principle of farm management.
- CO 3. Select of tools of farm management for various problems related to farm.
- CO 4. Identify the way to use farm resources efficiently.
- CO 5. Manage of farm resources under risk and uncertainty.

ABM 711 Sales and Distribution Management in Agri Business (2+0)

Course outcome:

- CO 1. Understand the roles and responsibilities of the sales managers.
- CO 2. Manage and enhance the sales force productivity and performance.
- CO 3. Know the methods to train sales force for an effective sales strategy.
- CO 4. Design and implement distribution channel strategy.
- CO 5. Manage the channels efficiently and effectively under different business environment.

ABM 712 E1 Entrepreneurship Development (2+0)

Course outcome:

- CO 1. Understand basic concepts in entrepreneurship developments.
- CO 2. Identify different type of entrepreneurship related agri business sector. Assess opportunities and constraints for new business ideas.
- CO 4. Understand the systemic process to select and screen a business idea.
- CO 5. Discuss various schemes implemented by government for promotion of entrepreneurship.

ABM 712 E2 Rural and Service Marketing (2+0)

Course outcome:

- CO 1. Gain conceptual knowledge about rural marketing.
- CO 2. Understand the rural market distribution and factors affecting it.
- CO 3. Know about the consumer behavior and trend in rural marketing.
- CO 4. Know in detail about the service sector and apply the 7P's of service marketing.
- CO 5. Identify recent innovations in rural marketing.

ABM 712 E3 Food Retail Management (2+0)

Course outcome:

- CO 1. Understand the concepts of effective retailing.
- CO 2. Know the recent trends in retailing.
- CO 3. Possess the knowledge of pricing strategies in retail marketing.
- CO 4. Manage the various retail operations like finance, handling, buying, transportation etc.,
- CO 5. Understand customers relationship management and legal and ethical issues in retailing.

ABM 713 E1 Insurance and Risk Management (2+0)

Course outcome:

- CO 1. Demonstrate a working knowledge of the procedures associated with risk management.
- CO 2. Perform risk management review for individuals and organizations.
- CO 3. Evaluate the use of insurance contracts.
- CO 4. Understand the scope and objective of risk management
- CO 5. Take decisions under risky situation using various risk management techniques.

ABM 713 E2 Communication for Management and Business (2+0)

Course outcome:

- CO 1. Understand the ethical, international, social and professional constraints.
- CO 2. Understand the current resources for locating secondary information.
- CO 3. Understand the strategies of effective primary data gathering.
- CO 4. Develop professional work habits, including those necessary for effective collaboration and cooperation with others.
- CO 5. Handle personal communication ways.

ABM 713 E3 Management of Agricultural Input Marketing (2+0)

Course outcome :

- CO 1. Understand the distribution channels of input marketing.
- CO 2. Gain the knowledge about seed and fertilizer marketing.
- CO 3. Analyse subsidy on fertilizers and problems in its distribution.
- CO 4. Understand the pattern of production of plant protection chemicals.
- CO 5. Manage distribution channels of farm machinery.

ABM 714 E1 International Trade and Sustainability Governance (2+0)

Course outcome:

- CO 1. Understand basic concepts of international trade.
- CO 2. Compare the relationship between trade, investment and economic growth
- CO 3. Identify empirical tests of trade models.
- CO 4. Analyse foreign trade policy related to agri business sector.
- CO 5. Understand export procedure and way to improve the share of agri in total export.

ABM 714 E2 Commodity Futures Trading (2+0)

Course outcome:

- CO 1. Understand the speculator mechanism of commodity markets.
- CO 2. Gain the knowledge about trading strategies.
- CO 3. Manage market price under risks.
- CO 4. Understand the importance of global and Indian commodity exchange.
- CO 5. Do technical analysis of trading pattern of commodity groups.

ABM 714 E3 Capital and Commodity Markets (2+0)

Course outcome:

- CO 1. Understand the fundamentals of capital and commodity markets.
- CO 2. Gain knowledge about debt investment.
- CO 3. Manage market price risk in commodity market.
- CO 4. Manage commodity exchange understanding risk in trade.
- CO 5. Analyse capital market technically using different tools.

PGS 611 Research Data Analysis (0+1)

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- CO 3. Interpret the results.

PGS 623 Basic Analytical Techniques (0+1)

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- CO 1. Identify the methods to collect data.
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PGS 715 Intellectual Property and its Management in Agriculture (1+0) (e-course)

Course outcome:

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- CO 2. Understand the procedure to obtain patent rights.
- CO 3. Identify the way to commercialize intellectual properties.