

# AGRIBUSINESS AND AGRICULTURAL ECONOMICS (ABIZ)

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## **ABIZ 0440 Agricultural Economics & Marketing 1 4 cr**

Introduction to key economic concepts and business principles and their application to Canadian agribusiness.

## **ABIZ 0450 Agricultural Economics and Marketing 2 4 cr**

(Lab required) The application of economic analysis in the study of marketing: concepts, policy, practices and institutions. May not be held with ABIZ 2510.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 0440.

**Mutually Exclusive:** ABIZ 2510

## **ABIZ 0460 Financial Management 1 4 cr**

Study of accounting principles and financial information for the preparation and presentation of financial statements to facilitate the management of farms and agricultural businesses.

## **ABIZ 0470 Financial Management 2 4 cr**

(Lab required) Study of analysis of financial statements and financial information by decision makers managing the finances of farms and agricultural businesses.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 0460.

## **ABIZ 0710 Agricultural Policy 3 cr**

Review of agriculture, international trade and food safety policies affecting the production and distribution of agricultural commodities and food products.

## **ABIZ 0730 Financial Risk Management 3 cr**

Various approaches to managing market risk will be studied, including forward pricing, hedging using futures and options along with insurance, diversification and the use of technology to manage production risk.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 0470 or pre- or corequisite: ABIZ 0450.

## **ABIZ 0740 Special Topics in Business Management 3 cr**

Selected topics of current interest in Business Management.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: written consent of Director of the School of Agriculture.

## **ABIZ 0750 Advanced Agricultural Financial Management and Lending 3 cr**

This course will offer realistic templates for assessing loan application cases and determining financial need, production feasibility and repayment for lenders. Students will analyze lender portfolios and the financial management of various enterprises. Students will learn to apply financial management concepts in evaluating investment options in farm and agribusiness decision-making. May not be held with ABIZ 0690 or DAGR 0730.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 0470.

**Mutually Exclusive:** ABIZ 0690, DAGR 0730

## **ABIZ 1000 Introduction to Agribusiness Management 3 cr**

Introduction to management principles applied to agribusiness. Topics covered will include cooperative and corporate organizations, financial analysis, marketing and planning. All students will prepare a business plan. Students will use spreadsheet skills with respect to processing information and preparing forecasts.

**Attributes:** Recommended Intro Courses

## **ABIZ 1010 Economics of World Food Issues and Policies 3 cr**

Determinants of global food consumption, production and the factors underpinning food security and malnutrition. The importance of international trade in balancing countries' supply and demand for food, examination of trade barriers and institutions facilitating trade.

**Attributes:** Recommended Intro Courses

## **ABIZ 2210 Transportation Principles 3 cr**

This course is a study of demand forecasting, cost analysis, regulation of carriers, role of transport in economic development, project appraisal, and transport planning focusing upon the agricultural, agri-food and other supply chains. Also offered as SCM 2210. May not be held with SCM 2210.

**Equiv To:** SCM 2210

## **ABIZ 2390 Introduction to Environmental Economics 3 cr**

Economics of management of water, air and land resources quality, and the economics of conservation. The economic implications of environmental standards, licensing criteria and pollution charges will be illustrated by current issues. Students may not hold credit for both ABIZ 2390 and ECON 2390.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: [ECON 1010 or ECON 1011 or the former ECON 1200 or the former ECON 1201] or [ECON 1210 (or ECON 1211 and ECON 1220 (or ECON 1221))].

**Equiv To:** ECON 2390

## **ABIZ 2510 Introduction to Agricultural and Food Marketing 3 cr**

Economic principles and institutions involved in the Canadian agricultural and food marketing system with applications to farming and agribusiness. May not be held with ABIZ 0450.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: A minimum grade of C in ECON 1010 (or ECON 1011 or the former ECON 1200 or the former ECON 1201) or both ECON 1210 (ECON 1211) and ECON 1220 (ECON 1221).

**Mutually Exclusive:** ABIZ 0450

## **ABIZ 2520 Introduction to Management Sciences 3 cr**

(Lab required) An introduction to management science techniques and models relevant to the agricultural and agri-food sectors. Topics include linear programming, distribution problems, decision theory and queuing models. May not be held with MSCI 2150 or MSCI 2151.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: A minimum grade of C in [MATH 1300 (MATH 1301) or MATH 1210] and [MATH 1500 (MATH 1501) or MATH 1510 or MATH 1520]. Pre- or corequisite: AGRI 2400 or STAT 1000 or STAT 1001.

**Equiv To:** MSCI 2150, MSCI 2151

**ABIZ 2610 Agricultural Law 3 cr**

This course explores the complex set of laws affecting the agricultural and agri-food sectors, focusing upon those laws critical for effective planning and sound decision making with respect to farm operations, agribusinesses and agri-food sector institutions. Topics include but are not limited to Manitoba's and Canada's legal systems, the major laws affecting the stakeholders listed above, and the legal resolution of issues in the agricultural and agri-food sectors. May not be held with the former DAGR 0760.

**Mutually Exclusive:** DAGR 0760

**ABIZ 2620 Agricultural Human Resource Management 3 cr**

Students will carry out processes such as job analysis and design, recruitment and selection, training and development, performance management and compensation management to develop a comprehensive human resource management plan for an agricultural enterprise. An overview of human resource legislation will be provided and resources to support human resource management decision making will be identified. May not be held with AGRI 3030 when titled "Agricultural Human Resource Management" or HRIR 2440 or the former DAGR 0530.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 1000 or DAGR 0480.

**Mutually Exclusive:** AGRI 3030, DAGR 0530, HRIR 2440, HRIR 2441

**ABIZ 3080 Introduction to Econometrics 3 cr**

(Lab required) The application of statistical tools, especially regression analysis for estimating economic relationships and testing economic hypotheses and model specification through the use of spreadsheets and data sets related to agricultural and agri-food sector applications. May not be held with ECON 3040 (or the former ECON 3180).

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: A minimum grade of D in [AGRI 2400 or STAT 2000 (STAT 2001) or ECON 2040 or the former ECON 3170] and [ECON 1010 (ECON 1011) and ECON 1020 (ECON 1021) or the former ECON 1200 (the former ECON 1201)].

**Equiv To:** ECON 3040, ECON 3180

**ABIZ 3120 Commodity Futures Markets 3 cr**

Theory and economic functions of commodity markets, including futures and options markets, with a focus on agricultural commodities. The roles of the various participants; the determination of inter-temporal prices and various aspects of hedging will be studied.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: A minimum grade of C in [ECON 1010 (ECON 1011) or the former ECON 1200 (the former ECON 1201)] or [ECON 1210 (ECON 1211) and ECON 1220 (ECON 1221)] and a minimum grade of D in AGRI 2400 or STAT 2000 (STAT 2001).

**ABIZ 3510 Economics of Food Policy 3 cr**

Economics of market intervention; trade policy analysis, and agricultural protection, exports, subsidies, tariffs, quotas; intermediate versus final goods; currency exchange rates and agricultural trade policy; trade agreements. Not to be held with ABIZ 3500.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: ECON 2010 or the former ECON 2450.

**Mutually Exclusive:** ABIZ 3500

**ABIZ 3520 Food Distribution and International Merchandising (3-0-0-0) 3 cr**

An introduction to management concepts and their application to domestic and international merchandising.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: (ABIZ 1000), and (ABIZ 2510 or MKT 2210).

**ABIZ 3530 Farm Management 3 cr**

Management decisions and business planning as they relate to farm production, marketing and financing activities. Identifying potential markets; comparative advantage analysis; organizational form and contractual requirements; alternative marketing and production strategies; financing production and marketing activities; develop farm business plan.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 1000.

**ABIZ 3540 Financial Risk Management 3 cr**

Topics explored will include risk expected returns and valuation of capital; addressing risk in the context of capital budgeting; derivative securities (i.e. futures and options) and financial risk management; the management of risk within and outside of agricultural production; and public policy.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: A minimum grade of D in [AGRI 2400 or STAT 1000 (STAT 1001)] and [ABIZ 1000 or ABIZ 2510].

**ABIZ 3550 Environmental Policy 3 cr**

Environmental policy development and enactment in Canada; federal and provincial review processes; socio-political aspects of policy development; chemical and pesticide licensing procedures and environmental effects monitoring; environmental policy and sustainability; case studies; discussion of various policies; ethics of development, preservation and conservation; environmental risk management.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 2390 or ECON 2390.

**ABIZ 3560 Agribusiness Portfolio Management 3 cr**

The application of portfolio management to agribusiness, including asset allocation, portfolio construction and analysis, and operation of investment instruments and capital markets. Includes Canadian Securities Course. Recommended G.P.A. of 2.80 or higher.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: Major in Agribusiness or Accounting and/or Finance, with 60 credit hours, ACC 1100 and ECON 1010 OR ECON 1020 or the former ECON 1200, or permission from instructor.

**ABIZ 4120 Intermediate Econometrics 3 cr**

A course in applied econometrics that explores the regression model and how it may be applied. Special emphasis is placed on violations to the assumptions of least squares, specification error, and applying the model to production, marketing, forecasting and other applications. May not be held with ECON 4040 or the former ECON 4120.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisite: ABIZ 3080 or ECON 3040 (or the former ECON 3180).

**Equiv To:** ECON 4120

**ABIZ 4240 Agricultural Economics Special Project 3 cr**

Students will undertake a project to analyze an applied problem and present results in a research and/or extension paper. A list of relevant readings will be assigned. Permission of the Department Head required.

**ABIZ 4260 Price Analysis 3 cr**

Theory and methods of price analysis, commodity markets and the demand and supply factors that underpin seasonal, cyclical and secular changes in commodity prices. Not to be held with ABIZ 4250.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**

Prerequisites: [ECON 2010 or the former ECON 2450] and [ABIZ 3080 or ECON 3040 or the former ECON 3180].

**Mutually Exclusive:** ABIZ 4250

**ABIZ 4500 Agribusiness Strategies Seminar 3 cr**

This course will provide participants with insights into management strategies and decision making, as well as the responsibilities, tensions and pressures encountered by senior management. Some classes will include participation by senior management followed by a debriefing session.

**PR/CR: A minimum grade of C is required unless otherwise indicated.**  
Prerequisites: ACC 1100 and ABIZ 1000 and 84 credit hours completed toward the Agribusiness degree program.