FOOD, AGRICULTURAL AND RESOURCE ECONOMICS (FARE)

FARE*6100 The Methodologies of Economics Winter Only [0.50]
Alternative views on the methodology of economics are reviewed and assessed. The process of problem identification in the development of a research project proposal is investigated.
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6110 International Food Industry and Policy Analysis Fall Only [0.50]
This course explores the structure and functioning of the agri-food sector beyond the farm gate, including food processing, distribution and retailing, and the implications for the functioning of food markets in terms of the price, quality and safety of food. The focus of the course is on the agri-food sector globally, such that it explores the structure and functioning of the agri-food sector in different geographical locations, at different levels of economic development, etc. The course examines the behaviour of actors within the food sector and the role of policies at the regional, national and international levels.
Department(s): Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6120 Assessment of Food and Agricultural Technologies Winter Only [0.50]
This course focuses on the assessment of technology choices in food and agricultural businesses. It positions technology assessment in the broader context of policy making and technology management. It exposes students to examples of the benefits of technology assessment and the consequences of insufficient technology assessment. Students learn and apply specific analysis tools that guide technology choice and implementation.
Department(s): Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6130 Operations Management in the Agri-Food Sector Winter Only [0.50]
This course introduces students to the main concepts for analysis in Agri-Food operations and supply chain management, with special attention given to quantitative techniques to support decision-making. The course also includes qualitative case analyses and discussions that build on key concepts of operations management.
Offering(s): Offered through Distance Education format only.
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6140 Major Paper in Food, Agricultural and Resource Economics Unspecified [1.00]
The major paper is an option only available to MFARE students registered in the course work master program. An original research project related to the specialization of choice in food, agricultural and resource economics will be undertaken. The project will include preparation of a written paper and an oral presentation of the findings to the faculty.
Restriction(s): Restricted to students in the course-based MFARE program in FARE
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6380 Applied Microeconomics for Agricultural Economists Fall Only [0.50]
The objective of this course is to foster a deeper understanding of standard microeconomic concepts and their application to a wide variety of topics in food, agricultural, and resource economics. Emphasis is placed on what tool(s) to use in a wide variety of circumstances to address real life problems. Topics will include decisions by firms and consumers, market equilibrium, and production decisions.
Prerequisite(s): ECON*2770, ECON*3710, ECON*3740
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6400 Advanced Topics in Agricultural Economics Unspecified [0.50]
The application of economic theory and various contemporary tools of economic analysis in solving production problems in the agricultural sector of the economy.
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6600 Food Security and the Economics of Agri-Food Systems in Developing Countries Fall Only [0.50]
The aim of this course is to understand the nature of food security in developing countries and relations with the economic performance of the agri-food system. Towards this aim, the course focuses on both the agri-food system’s role in the supply of nutritious food and its importance as a source of livelihood and as a driver of overall processes of economic development.
Prerequisite(s): ECON*1050, ECON*1100
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6720 Readings in Agricultural Economics Summer, Fall, and Winter [0.50]
A reading course on selected topics of special interest. May be offered to individual students or to groups of students in any semester.
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph

FARE*6800 Seminar in Agricultural Economics Unspecified [0.00]
Students in the MSc and MFARE major research paper option program must give two presentations at the annual research symposium; one in their first year outlining their research plan, and one in their second year on their thesis research results or major research paper.
Department(s): Department of Food, Agricultural and Resource Economics
Location(s): Guelph
FARE*6910  Applied Policy Analysis I  Winter Only [0.50]
An overview of domestic and international agri-food policies and an introduction to the concepts and methods used to evaluate domestic trade policies.
**Prerequisite(s):** FARE*6380  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6920  Applied Policy Analysis II  Unspecified [0.50]
A presentation and evaluation of advanced quantitative agri-food policy models and selected special topics related to domestic and trade policy evaluation.
**Prerequisite(s):** FARE*6910  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6930  Food Firms, Consumers and Markets I  Markets I  Fall Only [0.50]
This course examines the application of microeconomic theory to food markets. Topics covered include: optimizing behaviour by economic agents, the certainty equivalent profit model and decision making under risk, optimal capital replacement models and their application to food system economics, consumer behaviour with respect to food products and behaviour with respect to food products and behaviour of marketing intermediaries and food processors. New developments in the economic theory of the form are surveyed.
**Prerequisite(s):** ECON*2310, ECON*3740  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6940  Food Firms, Consumers and Markets II  Markets II  Unspecified [0.50]
This course builds on Food Firms, Consumers and Markets I by extending the breadth and depth of student’s understanding and scope of economic analysis. Advanced techniques in producer and consumer theory, as well as advance market analysis techniques are presented and utilized. Understanding of the research process and advanced methods is emphasized throughout.
**Prerequisite(s):** FARE*6930  
**Equate(s):** AGEC*6930  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6950  Natural Resource Economics I  Winter Only [0.50]
Natural Resources I introduces conventional theoretical modeling approaches to renewable resources, e.g. fisheries & forestry. Seminal theoretical literature is discussed. Emphasis is placed on setting up economic models, deriving and interpreting general results. Applied methods include dynamic optimization and regression analysis. Additional topics include Land Economics and the property rights approach.
**Prerequisite(s):** FARE*6380  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6960  Natural Resource Economics II  Unspecified [0.50]
Natural Resources II reviews & extends conventional theoretical modeling approaches to renewable resources, e.g. fisheries & forestry. Seminal literature is reviewed and contemp. theoretical work and empirical papers discussed. Emphasis on extending economic models addressing natural resource issues - uncertainty, externalities & policy instruments, and derive reduced-form versions of forestry & fishery for empirical estim. & analysis. Primary method of math analysis involves dyn. opt. techniques. Detailed math derivations & proofs expected. Also- extinction, climate change, carb sequest.
**Prerequisite(s):** FARE*6950  
**Equate(s):** AGEC*6950  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6970  Applied Quantitative Methods for Agricultural Economists  Fall Only [0.50]
This course exposes students to the empirical tools agricultural economists use when conducting research. Emphasis is placed on what tool(s) to use in a variety of circumstances. Topics covered will include advanced econometric techniques, optimization and simulation modelling. Students will also be exposed to the different quantitative software packages used in empirical research.
**Prerequisite(s):** ECON*3740, ECON*2770  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6980  Agricultural Trade Relations  Winter Only [0.50]
An examination of the institutional, theoretical and empirical aspects of international agri-food trade.
**Prerequisite(s):** FARE*6380  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph

FARE*6990  Applied Quantitative Methods for Agricultural Economists II  Winter Only [0.50]
Students will develop econometric methods and models that will provide solutions to a "real world" economic problem posed by an economic firm. Along a second vein, students will replicate the empirical findings of a published paper central to their thesis. Advanced quantitative methods will be introduced.
**Prerequisite(s):** FARE*6970  
**Department(s):** Department of Food, Agricultural and Resource Economics  
**Location(s):** Guelph