**MASTER’S DEGREE IN AGRIBUSINESS**

**DESCRIPTION OF THE COURSE**

Promote interdisciplinary studies and research as well as human resources who have knowledge on agribusiness and are able to integrate this kind of business with the sustainable socioeconomic and environmental development.

**Lines of Research:**

● Management in Agribusiness

*●* Markets and Development

**SYLLABUS**

**​Socioeconomic and Demographic Development**

Economic growth and development. Development indicators; Sustainable economic development; Development as freedom. Family budget research.

**​Analysis of Agribusiness Structures**

Agriculture and agribusiness; Approaches to production chain analysis; Production systems and chains; Agri-industrial aggregates; Agribusiness structure and management; Interaction between agribusiness agents; Governing agribusiness; Methods of business analysis; Studies applied to production chains.

**Research Method**

Epistemological elements of research investigation: relations between epistemological positions. Research methods. Research Project: elaboration and development.

**Interdisciplinarity in the construction of knowledge**

Concepts and applications of interdisciplinarity. Aspects related to the history, motivations, hurdles and experiences of studying and teaching interdisciplinarity. Experiences in interdisciplinary studies.

**Thesis seminar I**

Speech, discussion and presentation of the research project.

**Thesis seminar II**

Speech, discussion and presentation of the research project.

**Organic agriculture and agribusiness**

Predominant current agriculture and (un)sustainability. The return of the ecological paradigm in agriculture. Concept, historical background and principles of organic agriculture. Organic agriculture in Brazil and in the world. Construction of agroecosystems and organic agriculture. Environmental services in organic agriculture and opportunities of income generation. Qualitative indicators in production processes and organic products. Organizations of producers. Organic certification.

**Organizational analysis**

The organizations in agribusiness and the organizational theories: Knowledge management, learning, culture, leadership, change, ethics, governance and social responsibility. Management models in agribusiness organizations and cooperatives.

**Tourism in rural spaces and environment**

The participation of tourist activity in the production of rural spaces. Tourist social practice in modern world and the increase in value of the environment in the organization of rural economic activities.

**Statistics**

Descriptive statistics. Statistic series. Measures of central tendency. Measures of separability. Measures of dispersion. Inferential statistics. Hypothesis testing. Simple linear regression. Use of statistical software.

**Environmental economics**

Economic value of the environment, cost of environmental protection; Economy of natural resources, Economic value increase of natural resources; Ecological economics, Monetary valuation of environmental impact and the economic costs of environmental policies.

**Marketing in agribusiness**

Basic concepts of marketing. Theories of marketing margins. Dimension and form of prices: process and form analysis. Elements of the theories of supply and demand of agricultural products. Agricultural policy. Basics on future and option market. Fundamentals of marketing in agribusiness.

**Cost management in agribusiness**

Introduction to strategic cost management; Strategic cost analysis versus conventional cost analysis; Cost of assets and services in the process production systems and in the order production systems. Traditional costing methods. Concept of value chain; Value chain analysis and analysis of drivers and activity costs for agribusiness; Problems of cost location and activity-based costing. Cost management systems versus strategic positioning cost management. Strategic analysis of differential costs for decision making in agribusiness. Cost-based and market-based pricing methods in agribusiness.

**Special topics I**

Non-regularly offered discipline, taught by visiting professors or researchers or by professors from the university. It can be concentrated or not. The content of these disciplines shall be varied and may include themes and methodologies which are important to the student’s general education process and which are not covered in the regularly offered disciplines of the course.

**Special topics II**

Non-regularly offered discipline, taught by visiting professors or researchers or by professors from the university. It can be concentrated or not. The content of these disciplines shall be varied and may include themes and methodologies which are important to the student’s general education process and which are not covered in the regularly offered disciplines of the course.

**Logistics in agribusiness**

Fundamentals and the concept of Business Logistics. Logistics and the generation of value. Supply networks and the production chains in agribusiness. Transport systems in agribusiness: road, sea, air and rail transport. Special transport systems. Storage and stock management in agribusiness. Quality in supply networks and logistics. Logistics and international trade. Sustainability and reverse logistics in agribusiness.

**Analysis of public policies in agribusiness**

Agricultural policy. Agricultural credit. Pronaf (Brazilian Program for Strengthening Family Agrigulture). Minimum price policy. The Safra Plan. Subsidies. Regional fomenting programs. Food safety. Storage and marketing policies.

**Food safety and certifications**

Historical background and concept of food safety; Application of the main principles of hygiene in primary production and in the industrial sector; Codex Alimentarius; Classification and description of foodborne diseases; Sanitary control in the production process of foods; Good manufacturing practices and HACCP; Law; Traceability; Certifications; Sanitary restrictions.

**Production chains in agribusiness**

Expand knowledge through specialized bibliographic information in order to understand the relations between the different links involved in production chains in agribusiness. Integrate this knowledge in the different development stages of specific sectors. Analyze the different technological variables related to the production, processing, marketing and consumption which are specific of every chain.​

**Teaching Experience**

Teaching experience.

**Thesis writing**

Thesis writing.