**DEPARTMENT OF FOOD & RESOURCE ECONOMICS**

**식품자원경제학과**

**1.Department Introduction**

The department was established in December 1978, beginning with its initial name of Department of Livestock Management, to educate promising students in the agricultural and livestock sectors. In our department, graduate programs for both master's and doctoral degrees are offered in two fields including food and resource economics and livestock management. Food and resource economics of our department is an applied economics as a social science that works on the economic issues related to food and agriculture, natural resources, environment, etc. More specifically, graduate programs in our department deal mainly with agricultural production, consumption, marketing, rural development, agribusiness, international trade, agricultural policies, etc. A number of graduates of our department are currently working in the fields of agricultural and food industries, academic and research institutions so that they make significant contributions to the development of our society.

**2.List of Faculty Members**

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| --- | --- | --- | --- | --- |
| Position | Name | Last School Graduated | Degree | Major |
| Professor | Kwon, Oh Ok | Konkuk University(1989) | Doctor of Agriculture | Livestock  Farm Management &  Farm Accounting |
| Professor | Lee, Yong Kee | University of Illinois at Urbana-Champaign(1993) | Ph.D. in Agricultural Economics | Agricultural Economics &International trade |
| Associate Professor | Park, Jae Hong | Texas A&M University(2000) | Ph.D. in Agricultural Economics | Agricultural Products  Distribution & Price Analysis |
| Assistant  Professor | Chang, Jae Bong | Oklahoma State University (2009) | Ph.D.in Agricultural Economics | Food Economics & Experimental Economics |

**3.Academic programs**

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| --- | --- | --- |
| BASED ON COMMON | ECONOMETRIC ANALYSIS | 3 Credits |
| FOOD & RESOURCE MANAGEMENT | 3 Credits |
| FOOD & RESOURCE ECONOMICS | 3 Credits |
| APPLIED ECONOMIC THEORY | 3 Credits |
| RESEARCH CREDITS | RESEARCH FOR THE MASTER'S DEGREE Ⅰ | 2 Credits |
| RESEARCH FOR THE MASTER'S DEGREE Ⅱ | 2 Credits |
| RESEARCH FOR THE MASTER'S DEGREE Ⅲ | 2 Credits |
| RESEARCH FOR THE DOCTOR'S DEGREE Ⅰ | 2 Credits |
| RESEARCH FOR THE DOCTOR'S DEGREE Ⅱ | 2 Credits |
| RESEARCH FOR THE DOCTOR'S DEGREE Ⅲ | 2 Credits |
| RESEARCH FOR THE DOCTOR'S DEGREE Ⅳ | 2 Credits |
| MAJOR | INDEPENDENT STUDY (1) | 3 Credits |
| INDEPENDENT STUDY (2) | 3 Credits |
| LIVESTOCK FARM MANAGEMENT MAJOR | ADVANCED AGRO-FOOD MARKETING | 3 Credits |
| ADVANCED AGRICULTURAL POLICY ANALYSIS | 3 Credits |
| SEMINAR ON INTERNATIONAL AGRICULTURAL TRADE | 3 Credits |
| AGRICULTURAL FUTURES MARKET | 3 Credits |
| ADVANCED AGRO-FOOD MARKETING RESEARCH | 3 Credits |
| NORTHEAST ASIAN AGRICULTURE | 3 Credits |
| LIVESTOCK FARM MANAGEMENT PLANING | 3 Credits |
| ADVANCED LIVESTOCK FARM MANAGEMENT ANALYSIS | 3 Credits |
| LIVESTOCK FINANCIAL ACCOUNTING | 3 Credits |
| LIVESTOCK POLICY | 3 Credits |
| LIVESTOCK FARM ACCOUNTING | 3 Credits |
| ADVANCED THEORY OF COOPERATIVE | 3 Credits |
| FOOD & RESOURCE ECONOMICS MAJOR | ADVANCED AGRO-FOOD MARKETING | 3 Credits |
| ADVANCED AGRICULTURAL POLICY ANALYSIS | 3 Credits |
| SEMINAR ON INTERNATIONAL AGRICULTURAL TRADE | 3 Credits |
| AGRICULTURAL DEVELOPMENT | 3 Credits |
| AGRICULTURAL ACCOUNTING | 3 Credits |
| RURAL DEVELOPMENT | 3 Credits |
| NORTHEAST ASIAN AGRICULTURE | 3 Credits |
| FOOD RESOURCE ECONOMICS | 3 Credits |
| SEMINAR IN FOOD ECONOMICS | 3 Credits |
| RESOURCE AND ENVIRONMENTAL ECONOMICS | 3 Credits |
| ADVANCED THEORY OF COOPERATIVE | 3 Credits |

**4.Course Description**

계량경제분석

ECONOMETRIC ANALYSIS

3 Credits

This course is an extension of basic statistics. Sampling theory, analysis of variance, regression, time series analysis, multivariate analysis, and probabilistic decision-making.

식품자원경양학특론

FOOD & RESOURCE MANAGEMENT

3 Credits

This class covers advanced theories and applications of farm management. Topics include farm planning, modeling of linear programming, and game various advanced theories of decision making under uncertainty. Topics include theory of probability, revision of probability, expected utility theory, procedures of decision analysis, investment appraisals, and farm planning under uncertainty.

식품자원경제학특론

FOOD & RESOURCE ECONOMICS

3 Credits

Aims comprehensive understanding of domestic and international food resource economy through reading of related books and papers.

응용미시경제론

APPLIED ECONOMIC THEORY

3 Credits

Microeconomic theories that are frequently used for the problems occurring in agricultural sector are extensively discussed in this course. Various analytical and mathematical tools including fundamental theorems in consumption, production, and welfare economics are the main topics covered in this course.

■ RESEARCH CREDITS

RESEARCH FOR THE MASTER'S DEGREE Ⅰ 2 Credits

RESEARCH FOR THE MASTER'S DEGREE Ⅱ 2 Credits

RESEARCH FOR THE MASTER'S DEGREE Ⅲ 2 Credits

RESEARCH FOR THE DOCTOR'S DEGREE Ⅰ 2 Credits

RESEARCH FOR THE DOCTOR'S DEGREE Ⅱ 2 Credits

RESEARCH FOR THE DOCTOR'S DEGREE Ⅲ 2 Credits

RESEARCH FOR THE DOCTOR'S DEGREE Ⅳ 2 Credits

■ MAJOR

개별연구(1)

INDEPENDENT STUDY (1) 3 Credits

개별연구(2)

INDEPENDENT STUDY (2) 3 Credits

■ LIVESTOCK FARM MANAGEMENT MAJOR

고급농식품마케팅론

ADVANCED AGRO-FOOD MARKETING

3 Credits

This course provides economic theories and statistic procedures and applications, With regarding to marketing of agricultural, livestock products and food. Through the class, students will learn how economic theory applies to marketing strategy.

고급농업정책분석론

ADVANCED AGRICULTURAL POLICY ANALYSIS

3 Credits

The economic effects of agricultural policies are analyzed using the advanced microeconomic theories. This course first deals with theories and methodologies for analyzing the domestic and trade related policies as well in agriculture. Then, papers and articles on the agricultural policy issues are intensively covered to strengthen the students' application abilities.

고급농업통상론세미나

SEMINAR ON INTERNATIONAL AGRICULTURAL TRADE

3 Credits

농산물선물시장론

AGRICULTURAL FUTURES MARKET

3 Credits

This course covers the hedging, the speculative trading, and the price calculation. Also learns about these economical functions with using of how the forward, the futures, the option market which the economic agents are using to evade existing risk in the precarious world are managed.

농식품유동연구

ADVANCED AGRO-FOOD MARKETING RESEARCH

3 Credits

The discipline or the function which links consumer, customer, and public to marketer through information used to identify and define marketing opportunities and problems; generate, refine, and evaluate marketing performance; and improve understanding of marketing as a process.

동북아농업론

NORTHEAST ASIAN AGRICULTURE

3 Credits

This course is a comparative study of trade policies and agricultural production in major agricultural countries. Characteristics of developed and developing countries’ agriculture will be examined and compared. Special emphasis will be on the agriculture of East Asian countries including China, the far-eastern region of Russia, and North Korea. Students will also try to create or find positive suggestions for the development of Korea’s agriculture.

축산경영계획특론

LIVESTOCK FARM MANAGEMENT PLANING

3 Credits

This course covers nonlinear programming, network models, game theory, Markov process, dynamic programming, queueing theory, and computer simulation regarding to livestock management.

축산경영분석특론

ADVANCED LIVESTOCK FARM MANAGEMENT ANALYSIS

3 Credits

This class is a course on advanced theories of probability and mathematical programming. Topics include theories of probability and statistics, linear and nonlinear programming, and risk analysis.

축산재무회계

LIVESTOCK FINANCIAL ACCOUNTING

3 Credits

To analyze the outcome of farm management, concerning the advanced theories in livestock financial accounting and farm characteristics, students will understand advanced theories from journalizing, transactions to closing accounts.

축산정책특론

LIVESTOCK POLICY

3 Credits

This class is a course on advanced theories in livestock policies. Topics include theories of probability and statistics, linear and nonlinear programming, and risk analysis.

축산회계학특론

LIVESTOCK FARM ACCOUNTING

3 Credits

To analyze the outcome of farm management, concerning advanced theories in livestock farm accounting and farm characteristics, students will understand advanced theories from journalizing, transactions to closing accounts.

협동조합특론

ADVANCED THEORY OF COOPERATIVE

3 Credits

Students will learn the ideas and advanced theories of cooperatives and review their movements in the developed countries and find out sound developments of Korea cooperatives.

■ FOOD & RESOURCE ECONOMICS MAJOR

고급식품마케팅론

ADVANCED AGRO-FOOD MARKETING

3 Credits

This course provides economic theories and statistic procedures and applications, With regarding to marketing of agricultural, livestock products and food. Through the class, students will learn how economic theory applies to marketing strategy.

고급농업정책분석론

ADVANCED AGRICULTURAL POLICY ANALYSIS

3 Credits

The economic effects of agricultural policies are analyzed using the advanced microeconomic theories. This course first deals with theories and methodologies for analyzing the domestic and trade related policies as well in agriculture. Then, papers and articles on the agricultural policy issues are intensively covered to strengthen the students' application abilities.

국제농업통상론세미나

SEMINAR ON INTERNATIONAL AGRICULTURAL TRADE

3 Credits

The main purpose of this course is to help students to better understand the fundamental theories of international trade and to analyze the international trade issues in reality. Furthermore, the economic analyses of the WTO Agreement on Agriculture will be thoroughly conducted. Also, we will try to explore some desirable agricultural policy directions under the WTO regime.

농업발전론

AGRICULTURAL DEVELOPMENT

3 Credits

In this course, we will examine the role and consequences of agriculture in the process of economic development from the historical and international perspective. Also, focuses will be placed on the exploration of desirable future agricultural policies to achieve continuous economic development. Among those topics discussed in this course are the theories of agricultural development, dual economy models, rural-urban migration and population problems, agricultural transformation and rural development.

농업회계학특론

AGRICULTURAL ACCOUNTING

3 Credits

To analyze the outcome of farm management, concerning the advanced theories in agricultural accounting and farm characteristics, students will understand advanced theories from journalizing, transactions to closing accounts.

농촌지역개발론

RURAL DEVELOPMENT

3 Credits

This course teaches the students to understand approaches to various rural development programs and their related theories. They will then analyze and evaluate programs from different countries. This will enable the students to visualize and plan a better rural community. The class will also emphasize the writing of academic papers.

동북아농업론

NORTHEAST ASIAN AGRICULTURE

3 Credits

This course is a comparative study of trade policies and agricultural production in major agricultural countries. Characteristics of developed and developing countries’ agriculture will be examined and compared. Special emphasis will be on the agriculture of East Asian countries including China, the far-eastern region of Russia, and North Korea. Students will also try to create or find positive suggestions for the development of Korea’s agriculture.

식량자원경제학특론

FOOD RESOURCE ECONOMICS

3 Credits

Aims comprehensive understanding of domestic and international food resource economy through reading of related books and papers.

식품경제세미나

SEMINAR IN FOOD ECONOMICS

3 Credits

Aims understanding the structural problems of livestock economy by means of theoretical lecture on time-series analysis and its application to beef cattle and pig industry.

자원및환경경제학

RESOURCE AND ENVIRONMENTAL ECONOMICS

3 Credits

This course considers the question of how to manage natural resources wisely, develops objectives of natural management, and evaluates current management of natural resources against these objectives. Students will learn how to identify the scope of potential impacts, and to understand the critical mechanisms that give rise to the impact.

협동조합특론

ADVANCED THEORY OF COOPERATIVE

3 Credits

Students will learn the ideas and advanced theories of cooperatives and review their movements in the developed countries and find out sound developments of Korea cooperatives.