

## COURSE DETAILS

### Master' Degree

#### **91720 Agricultural Extension for Development**

**(6 credits)**

**Objectives** Upon completion of the course, students should:

1. Have knowledge and understand concepts, theories, and principles of agricultural extension and development.
2. Have ability in analysis of the relationships between agricultural extension and the development.
3. Have ability in applying concepts, theories, and principles of agricultural extension for development.

**Course Description**

Concepts, theories, and principles of agricultural extension and development; paradigm in agricultural extension and development; comprehensive community analysis for development; relationships between agricultural extension and the development; knowledge management for development; group and network development; psychology and human relationship for farmers; development communication for agricultural extension and development; problem analysis and guidelines for agricultural extension and development appropriated to changing situations.

#### **91721 Thai Society and Management in Agricultural Extension and Development**

**(6 credits)**

**Objectives** Upon completion of the course, students should:

1. Have knowledge and understand Thai society situations and management in agricultural extension and development;
2. Have ability in the analysis of changes and relationships of Thai society situations and management in agricultural extension and development;
3. Have ability in managing agricultural extension and development appropriated to the changes of Thai society.

**Course Description**

Thai society characteristics, social components and structure, social institutions; relationships between urban and rural societies; changes in Thai society; behaviors and believes of farmers; concepts and theories of general management; concepts and theories of management in agricultural extension and development; management of agricultural extension and development by government, private, and public sectors; paradigm of the relationships between Thai society and management of agricultural extension and development; case studies in the management of agricultural extension and development on the changes of Thai society.

**91722 International Agricultural Extension and Development****(6 credits)****Objectives** Upon completion of the course, students should:

1. Have knowledge and understand agricultural extension and development policies of international organizations and various countries.
2. Have knowledge and understand agriculture, farmers, systems and strategies in agricultural extension and development of various countries.
3. Have ability in applying knowledge of the policies, systems, and strategies at the international levels to agricultural extension and development in Thailand.
4. Have ability in applying international information to agricultural extension and development.

**Course Description**

Policies of agricultural extension and development in international, foreign, and non-government organizations; international agreements on agriculture; needs, producing situation, processing, and trades of important agricultural products in selected countries from various regions; revolution of agriculture, farmers, policies, systems, strategies, and trends of agricultural extension and development in developed and developing countries; analyze and synthesize important information and concepts of international agricultural extension and development for application to Thailand.

**91723 Research and Statistics for Agricultural Extension and Development****(6 credits)****Objectives** Upon completion of the course, students should:

1. Have knowledge and understand principles, methods, and processes of research in agricultural extension and development.
2. Have ability in utilization of statistics for research data analysis of agricultural extension and development.
3. Have ability in applying research in agricultural extension and development.

**Course Description**

Research concepts and theories; research regulations, methods and processes; various kinds of researches; statistics utilization for research data analysis; writing research proposal and report for agricultural extension and development; research Application in agricultural extension and development.

**91724 Resource Management for Agricultural Extension and Development****(6 credits)****Objectives** Upon completion of the course, students should:

1. Have knowledge and understand resources for agricultural extension and development.
2. Have ability in analysis of resource situation for agricultural extension and development.
3. Have ability in sustainable resource management for agricultural extension and development.

**Course Description**

Characteristics, types, components and situation of resources for agricultural extension and development; analysis of resource origin, conservation, development, and utilization; human resource development; management of inside and outside farm resources by consideration of the impacts at farming, local, and global levels for sustainable agricultural extension and development.

**91725 Communication in Agricultural Extension and Development (6 credits)**

**Objectives** Upon completion of the course, students should:

1. Have knowledge and understand concepts, theories, and principles of communication in agricultural extension and development.
2. Have ability in analysis of the relationships between communication and agricultural extension and development.
3. Have ability in analysis of roles and significances of various kinds of communication to agricultural extension and development.
4. Have ability in application of communication to agricultural extension and development.

**Course Description**

Concepts, theories, and principles of communication in agricultural extension and development; relationships between communication and agricultural extension and development; roles and significances of various kinds of communication in agricultural extension and development; planning, management system, communication network establishment, and communication technology; production and application of communication to agricultural extension and development; research for communication; problem analysis and guidelines for agricultural extension and development.

**91726 Organization for Agricultural Extension and Development (6 credits)**

**Objectives** Upon completion of the course, students should:

1. Have knowledge and understand concepts, principles, and theories of government, private, public, and non-government organization for agricultural extension and development including establishment and analysis of these organizations.
2. Have ability in analysis of the organization and the leaders in organization for agricultural extension and development.
3. Have ability in setting guidelines of establishing organization for agricultural extension and development.

**Course Description**

Concepts, principles, theories, and strategies for the operations of government, private, public, and non-government organization for agricultural extension and development; establishment, analysis, management, and group process; participation of group and organization in agricultural extension and development; establishment and development of organizational network and leaders; gender roles in organization; women and youth in the development; problem analysis and guidelines in the development of organization for agricultural extension and development.

**91794 Independent Study (Agricultural Extension and Development) (6 credits)**

**Objectives** Upon completion of the course, students should:

1. Have knowledge and understand concepts of independent study.
2. Have ability in producing independent study by applying concepts, theories, and principles from various courses in the program of study.

**Course Description**

Concepts and processes of independent study; production and dissemination of independent study results from research, conceptual analysis, model building, or writing academic document; Utilization of researches by integrated knowledge.

**91795 Thesis (Agricultural Extension and Development) (12 credits)**

**Objectives** Upon completion of the course, students should:

1. Have ability in selection of research problem for thesis.
2. Have ability to review and analyze literatures relevant to the thesis topic.
3. Have ability to design the research model for thesis.
4. Have knowledge and skills in writing and presenting thesis project.
5. Have ability to develop instrument for thesis research.
6. Have ability to collect, analyze, and present data for thesis.
7. Have ability in thesis presentation and defense.
8. Have ability in writing final thesis report.
9. Have ability in writing paper for thesis dissemination.

**Course Description**

Research problem selection; reviewing and analyzing related literatures; research design, writing and presenting thesis project; development of instrument for thesis research; collection, analysis, and presentation of thesis data; thesis presentation and defense; writing final thesis report and paper for dissemination.

**91796 Graduate Professional Experience in Agricultural Extension and Development (6 credits)**

**Objectives** Upon completion of the course, students should:

1. Gain knowledge and experience in addition to the distance teaching-learning system.
2. Develop appropriate personality and have positive attitude towards occupation in agricultural extension and development.
3. Develop academic leadership in the field of agricultural extension and development.
4. Have human relationship and group-working ability.
5. Develop creative and conceptual thinking, and have skill for in agricultural extension and development.
6. Gain morality, loyalty, and ethics for working in agricultural extension and development.

***Course Description***

Applying knowledge of agricultural extension and development to occupation; Human Development for appropriate personality and positive attitude towards occupation in agricultural extension and development; academic leadership development; development of human relationship and group-working ability; creative and conceptual thinking; problem solving skill; morality, loyalty, and ethics for working in agricultural extension and development.

**92711 Strategic Management for Cooperatives Administration****(6 credit)*****Objectives***

1. To give students the philosophy of cooperatives the process of cooperatives function and structure of cooperatives.
2. To give students the knowledge of concepts process and technique of strategic management for cooperatives administration.
3. To give students the analytical skill applied the model of analysis and strategic decision at difference level.
4. To enable apply the knowledge of strategic management for cooperatives business administration

***Course Description***

General idea on cooperative principles, ideology and methodology. Job descriptions and cooperative structures. General idea and concept of process and technique of strategic business administration related to cooperatives' policy formulation, strategic targeting, strategic selection and analyzing levels of strategic management of a cooperative. General concept and technique related to strategic operation of a cooperative. An analyzing of cooperative's strategic management and application of the idea and concept in cooperatives' administration.

**92712 Accounting and Finance for Cooperatives Administration****(6 credit)*****Objectives***

1. To give students knowledge and understanding of accounting and finance for cooperatives administration.
2. To give students knowledge and ability of analysis of operation and financial status for cooperative administration.
3. To give students the understanding of cooperatives administration of asset, debt, and ownership.
4. To give student knowledge and ability for financial planning and financial control of cooperatives administration.

***Course Description***

General idea on financial management and accounting of cooperative. An Operational analysis of financial status, asset liability and capital management of cooperative financial planning and controlling accounting as well as cooperative finance.

**92713 Statistics and Research for Cooperatives****(6 credit)*****Objectives***

1. To give students knowledge and understanding of statistics and research in cooperatives.
2. To give students the computer programs for research in cooperatives.
3. To enable for applying the knowledge and statistics and computer programs in cooperatives research.

***Course Description***

Statistic principles, methodology and procedure in Cooperative research. Type of research using in research and development in cooperatives Statistics and computer programs using in data analyzing of cooperatives research. Composing research proposal or thesis. Formatting and presentation of cooperative or thesis. A case study on cooperative researches for an application on cooperative business administration.

**92714 Production and Marketing Administration in Cooperatives****(6 credit)*****Objectives***

1. To give students knowledge and understanding of production and marketing of cooperatives administration, the importance of marketing in economy, planning and organizing of marketing as well as marketing strategy.
2. To enable students the analytical skill of production, marketing and production plan as well as cooperatives marketing.
3. To enable for applying the knowledge of production and marketing administration in cooperatives.

***Course Description***

General idea on cooperative production and marketing. An importance of cooperative marketing in business system. Cooperative's planning and organizing of production and Marketing organization. Cooperative Marketing and Production strategies. Applying production concept in cooperative's marketing in cooperative business administration. structure of cooperative operation and important marketing channels. Marketing institutions and organizations. Domestic and foreign cooperative marketing management. Trade policies, codes, rules and regulations, and measures in product management both imported and exported. Impacts, problems, and guidelines for an administrating and developing of cooperative marketing both domestic and foreign markets.

**92715 Human Resources Administration in Cooperatives****(6 credit)*****Objectives***

1. To give students knowledge and understating about concepts of human resource administration in cooperatives.
2. To enable the ability of planning and developing in human resource administration in cooperatives.
3. To enable the application of concepts of human resource administration in cooperatives.

**Course Description**

Principles and concept in Cooperatives human resources administration. Area of responsibility in cooperative human resources administration, starting from human resource planning, recruiting, human resource development, an appraisal of job operation, incentive system, compensation management, benefit and welfare, discipline, moral and etiquette, healthcare and sanitation, laws and organizations related to human resource management. Relationship between human resource administration and technology, environment, social and politic.

**92718 Seminar on Cooperatives Business Administration****(6 credit)****Objectives**

1. To give students knowledge and understanding of the situations in cooperatives business administration.
2. To enable the management of seminar on cooperatives business administration effectively.
3. To enable the application of knowledge of administration for cooperatives development.

**Course Description**

Study, investigate, and discuss on situation and problems in Thai-Cooperative Business Administration; practice of problem analysis; and application of new principles, and methodologies in cooperative administration.

**92794 Independent Study (Cooperatives)****(6 credit)****Objectives**

1. To obtain the skills of concepts, theories, and study methodology from all courses in order to apply for independent study.
2. To study, analysis and research on cooperatives for independent study as well as other related topics.

**Course Description**

Selection, analysis or research on the selected problems; comprising research proposal and presentation; review literatures relevant; procedures of data collecting and analysis; writing the report and presentation in Cooperative.

**92795 Thesis (Cooperatives)****(12 credit)****Objectives**

1. To choose a research topic for a thesis.
2. To survey and review the literature related to the chosen topic.
3. To design a research project for a thesis.
4. To gain knowledge and skills for writing and presenting a thesis.
5. To develop research tools.
6. To collect data, analyze data and present research results.
7. To prepare a presentation and defend the thesis.
8. To write a complete thesis.
9. To write a research paper for publication.

***Course Description***

In this course, students will learn to choose a research topic for a thesis, to survey and analyze related literature, to design a research project, to write and present a thesis, to develop research tools, to collect data, to analyze data, to present research results, to prepare a presentation and defend the thesis, to write a complete thesis and to write a research paper for publication.

**92796 Graduate Professional Experience in Cooperatives****Business Administration****(6 credits)*****Objectives***

1. To encourage students knowledge and experiences beyond class rooms.
2. To develop the students' personality and good attitude for cooperatives business administration.
3. To encourage and develop students' leadership and academic development in cooperatives careers.
4. To encourage the human relationship and ability of team work.
5. To develop the skills of problem solving effectively as a management level.
6. To enrich moral, ethics as well as professional ethics for cooperatives managers.

***Course Description***

Organization analysis and structuring; applying knowledge in cooperative management and administration in profession; analysis and development of information system for cooperative management; personality and positive attitude development towards Cooperative Business administration; leadership development; creating human relation and group working ability; skill development in problem solving for cooperative management; including creation of moral, royalty, and ethics relevant to cooperators.

**95709 Principle of Agricultural Resources Management****(6 credits)*****Objectives***

1. To give students knowledge and understanding of the basic principles of agricultural resources management.
2. To enable students to apply principles of agricultural resources management to work in agriculture.
3. To enable students to manage agricultural resources morally and ethically.

***Course Description***

Meaning and concepts of agricultural resources management; the agricultural resources management process on a micro and macro scale; information technology in agricultural resources management; sustainable management; analysis and decision-making under limited resource situations; selection of appropriate technology; environmental impact analysis; related laws and regulations; ethics; social and environmental responsibility; application of agricultural resources management knowledge in the real world.



**95710 Research Methodology in Agricultural Resources Management (6 credits)*****Objectives***

1. To provide students' knowledge and understanding of agricultural resources management research.
2. To enable students to build on their knowledge of research to develop work in agricultural resource management.

***Course Description***

Concepts of research in agricultural resources management, forest management, and environmental management; types of research and the research process; statistics for research; application of statistics and research methods in agricultural resources management, forest management, and environmental management; examples of research in agricultural resources management, forest management, and environmental management.

**95711 Resources Management for Crop Production (6 credits)*****Objectives***

1. To give students knowledge and understanding of resource management for crop production.
2. To enable students to integrate their knowledge of resource management systematically for crop production.
3. To enable students to apply morals and ethics to resource management for crop production.

***Course Description***

Resources for crop production and their management; production systems; post-harvest management; agricultural production standards; market management; analysis of resources for efficient crop production; integration of crop production management to be ethical, in compliance with standards and regulations, and to fit the environmental, social and economic situation.

**95712 Seminar in Resources Management for Crop Production (6 credits)*****Objectives***

1. To give students knowledge about academic seminars on resources management for crop production.
2. To enable students to research, analyze, and synthesize content and write academic reports about resources management for crop production.
3. To give students knowledge and experience in presenting research findings on resources management for crop production.
4. To give students knowledge and experience in organizing academic seminars.

***Course Description***

The process of organizing academic seminars; writing proposals for academic seminars; setting topics; study, research, analysis and synthesis of academic information; writing and publishing academic papers; preparation of media for academic presentations; evaluation of academic seminars; study of the present situation of resource management for crop production; presentation and public discussion of interesting topics in resource management for crop production.

**95713 Resources Management for Animal Production****(6 credits)*****Objectives***

1. To give students knowledge and understanding of resource management for animal production.
2. To enable students to integrate their knowledge of resource management systematically for animal production.
3. To enable students to apply morals and ethics to resource management for animal production.

***Course Description***

Resource management for on-farm and off-farm livestock production, from planning to operations, monitoring and evaluation; breeds; feed and feeding; animal health; management of products; related laws, regulations and standards; management for efficient, effective and ethical animal production, taking into account the environmental impact.

**95714 Seminar in Resources Management for Animal Production****(6 credits)*****Objectives***

1. To give students knowledge about academic seminars on resources management for animal production.
2. To enable students to research, analyze, and synthesize content and write academic reports about resources management for animal production.
3. To give students knowledge and experience in presenting research findings on resources management for animal production.
4. To give students knowledge and experience in organizing academic seminars.

***Course Description***

The process of organizing academic seminars; writing proposals for academic seminars; setting topics; study, research, analysis and synthesis of academic information; writing and publishing academic papers; preparation of media for academic presentations; evaluation of academic seminars; study of the present situation of resource management for animal production; presentation and public discussion of interesting topics in resource management for animal production.

**95715 Agribusiness Management****(6 credits)*****Objectives***

1. To give students knowledge and understanding of agribusiness management.
2. To enable students to analyze and make decisions about agribusiness management.
3. To enable students to integrate knowledge of agribusiness management.
4. To enable students to apply knowledge of agribusiness management.

***Course Description***

Concepts of agribusiness management; agribusiness systems; economics for management; management of agribusiness operators; organizations; marketing, financial, production operations, and human resources management; making agribusiness plans; taking into account of business integration, the value chain, moral, ethics, society, the environment and sustainable agricultural resources management.

**95716 Seminar in Agribusiness Management****(6 credits)*****Objectives***

1. To give students knowledge about academic seminars on agribusiness management.
2. To enable students to research, analyze, and synthesize content and write academic reports about agribusiness management.
3. To give students knowledge and experience in presenting research findings on agribusiness management.
4. To give students knowledge and experience in organizing academic seminars.

***Course Description***

The process of organizing academic seminars; writing proposals for academic seminars; setting topics; study, research, analysis and synthesis of academic information; writing and publishing academic papers; preparation of media for academic presentations; evaluation of academic seminars; study of the present situation of agribusiness management; presentation and public discussion of interesting topics in agribusiness management.

**95717 Resource Management for Forestry****(6 credits)*****Objectives***

1. To give students knowledge and understanding of resource management for commercial forestry.
2. To give students knowledge and understanding of resource management for conservation forestry.
3. To give students knowledge and understanding of resource management for sustainable forestry.
4. To enable students to apply morals and ethics to forestry resource management.

***Course Description***

Concepts and fundamentals of forest resource management for economic return, for conservation and for sustainability; silviculture; forest plantation management; recreation management in natural areas; eco-tourism management; community forestry; eco-system management; forest certification; related policies and laws; assessment of forest resources; financial analysis; investments analysis; knowledge management for forest and environmental management; related ethical issues.

**95718 Seminar in Forest Resources and Environment Management (6 credits)*****Objectives***

1. To give students knowledge about academic seminars on forest resources and environment management.
2. To enable students to research, analyze, and synthesize content and write academic reports about forest resources and environment management.
3. To give students knowledge and experience in presenting research findings on forest resources and environment management.
4. To give students knowledge and experience in organizing academic seminars

***Course Description***

The process of organizing academic seminars; writing proposals for academic seminars; setting topics; study, research, analysis and synthesis of academic information; writing and publishing academic papers; preparation of media for academic presentations; evaluation of academic seminars; study of the present situation of forest resources and environment management; presentation and public discussion of interesting topics in forest resources and environment management.

**95719 Special Problem in Forest Resources and Environment Management (6 credits)*****Objectives***

1. To give students experience in writing project proposals for special problem research.
2. To give students experience in researching, analyzing and synthesizing data for research.
3. To give students knowledge and experience in presenting academic reports on forest resources and environment management.

***Course Description***

Writing project proposals for special problem research; the special problem research process; studying, researching, analyzing and synthesizing content on the chosen topic in forest resources and environment management; writing, compiling and editing academic reports.

**Note:** This course is required for those who want to have at least 15 credits in the forest resources and environment management program.

**95720 Agriculture for Resources Management****(6 credits)*****Objectives***

1. To give students basic knowledge of agriculture for resources management.
2. To give students knowledge of agricultural production management.
3. To give students basic knowledge of forest and environmental resources management.
4. To give students basic knowledge of agribusiness.

***Course Description***

Agriculture in Thailand and the world; agricultural economics; agricultural resources; technology and its management; crop production; animal production; forest resources and environment; agribusiness.

**95794 Thesis (Agricultural Resources Management)****(12 credit)*****Objectives***

1. To choose a research topic for a thesis.
2. To survey and review the literature related to the chosen topic.
3. To design a research project for a thesis.
4. To gain knowledge and skills for writing and presenting a thesis.
5. To develop research tools.
6. To collect data, analyze data and present research results.
7. To prepare a presentation and defend the thesis.
8. To write a complete thesis.
9. To write a research paper for publication.

***Course Description***

In this course, students will learn to choose a research topic for a thesis, to survey and analyze related literature, to design a research project, to write and present a thesis, to develop research tools, to collect data, to analyze data, to present research results, to prepare a presentation and defend the thesis, to write a complete thesis and to write a research paper for publication.

**95795 Independent Study****(6 credits)*****Objectives***

1. To give students skills and experience in using the educational system and research to find knowledge about agricultural resources management.
2. To enable students to study and research problems in agricultural resources management.

***Course Description***

Structure and forms of independent study; selecting research topics in the field of agricultural resources management; researching a problem; writing project proposals; presenting a project; reviewing the literature; data collection; data analysis; writing a report and presenting research or study findings.

**95796 Graduate Professional Experience in Agricultural  
Resources Management**

**(6 credits)**

***Objectives***

1. To promote good attitudes towards agricultural resources management.
2. To develop students' personalities, leadership, human relations and teamwork.
3. To strengthen students' skills and experiences in agricultural resource management.
4. To strengthen students' ethics and morals in the field of agricultural resource management

***Course Description***

Integration of agricultural resources management knowledge for professional application; analysis skills for specific areas of agricultural resource management; developing one's personal characteristics and attitudes for work in agricultural resources management; developing leadership; strengthening human relations skills and teamwork; developing agricultural resource management skills; promoting morality and professional ethics.

**Last update: 10-July-2013**

