

COURSE DETAILS

10103 Life Skills

(6 credits)

Course Learning Outcomes

1. To gain skills in communication, acquiring common knowledge, and using technology in everyday life.
2. To gain skills in thinking, analyzing and problem-solving in various situations.
3. To develop oneself in the areas of morality, ethics and human relations.

Course Description

To gain necessary life skills in society such as a hunger for knowledge, how to gain knowledge and continuously seek further self-development; be able to use technology efficiently; apply reasoning, analytical thinking, problem-solving, and negotiation skills; learn the principles of self-management, emotional control, and stress management; to develop oneself to have morality, ethics, proper human relationships, manners and etiquette.

10111 English for Communication

(6 credits)

Course Learning Outcomes

1. To be able to use English as a means for communication.
2. To study structures, vocabulary and important English idioms.
3. To equip students with skills in listening, speaking, reading and writing in English for accuracy and appropriateness in various situations

Course Description

Structure, vocabulary and English idioms used in listening, speaking, reading and writing English for communication.

10121 Human Civilization

(6 credits)

Course Learning Outcomes

1. To have knowledge on Eastern and Western civilization in terms of politics, economy, and society.
2. To understand human civilization in the past which is fundamental of the current civilization.
3. To realize and appreciate the values of human civilization.

Course Description

Knowledge on Eastern and Western civilization human has created in terms of politics, economy, society, wisdom, arts, as well as science and technology.

10131 Human Society

(6 credits)

Course Learning Outcomes

1. To understand the existence of human community and society.
2. To understand the political, legal, economic and social mechanisms affecting an organization of human society.
3. To promote the responsibility to the society and nation.

Course Description

Basic characteristics of being human; cohesion into communities and societies; human distribution and settlements; the components of society; human behavior in society; political, legal, economic and social mechanisms affecting the organization of human society; social problems and methods to solve them; promotion of a good society.

10141 Science, Technology and Environment for Life**(6 credits)*****Course Learning Outcomes***

1. To gain knowledge about the concepts, rules and development of science and technology, and how they influence of thought and human livelihood.
2. To gain knowledge about the evolution of living things and human beings.
3. To understand the relationship between humans, the environment, and the effects of science and technology on the environment.
4. To gain knowledge of the applications of science, technology, and mathematics in daily life.
5. To enhance scientific thinking and awareness of the need for environmental preservation.

Course Description

Concepts, theories, critical thinking, rules and development of science and technology; natural history concerning human beings; the parts of the human body; humans and the environment; hygiene and nutrition; the application of science, technology, and mathematics in everyday life.

10151 Thai Studies**(6 credits)*****Course Learning Outcomes***

1. To learn about Thailand's history, society, language and culture.
2. To be able to apply the course knowledge to daily life.
3. To understand and take pride in what it means to be Thai.

Course Description

Knowledge about Thai in terms of history, settlement, politics, economy, culture, religion and ritual, language and literature, arts and culture.

10152 Thailand and the World Community**(6 credits)*****Course Learning Outcomes***

1. To be able to gain knowledge on situations, trends and characteristics of economic, social and political relations and changes in the world community which affect Thailand.
2. To gain knowledge on the status of Thailand in the world community.
3. To be able to analyze the problem as a result of globalization in various aspects including political, economical, social and culture and impact on moral and ethic.

Course Description

Status of Thailand in social world; dynamic of social changes which affecting Thailand; problems and causes of problems arising as a result of globalization which cause the awareness, knowledge and understanding of the situation; be able to analyze the cause of problem and the impact of Thai society in various aspect including political, economic, social, moral and ethical.

10161 Thai for Communication**(6 credits)*****Course Learning Outcomes***

1. To be able to use Thai language as a tool for communication.
2. To improve language skill for communicate effectively and creatively.
3. To be able to use language in daily life and to pursuit of knowledge.

Course Description

Significance of language, idea and communication; the art of using word, sentence, idiom, phrase; development of listening, speaking, reading and writing skills to communicate effectively and creatively; using Thai language in daily life to pursuit of knowledge and transfer knowledge.

10162 Chinese for Communication**(6 credits)*****Course Learning Outcomes***

1. To gain knowledge about Standard Chinese phonology, Mandarin phonetic alphabet (Hanyu Pinyin), and be able to write and pronounce the alphabet correctly.
2. To gain knowledge about Chinese characters--as basic words or assembled ones--and sentence structure and grammar for general communication, including practice with writing Chinese characters.
3. To be able to use Chinese in everyday life.

Course Description

Standard Chinese phonology, Hanyu Pinyin transcription, basic words, and dialogues for everyday use, structural grammar, and learn and practice writing of 550 Chinese characters.

10163 Khmer for Communication**(6 credits)*****Course Learning Outcomes***

1. To possess knowledge on the phonology, letters, grammatical structure and basis sentence structure of Khmer.
2. To be able to use basic Khmer for communication in daily life.
3. To possess knowledge on Khmer words used in the Thai language.

Course Description

Khmer phonology; the practice of writing the Khmer alphabet; Crieng and Mul alphabets, basic Khmer words used in daily life; grammatical structure and basic sentence structure; listening, speaking, reading and writing skills for communication at the basic level; and Khmer words used in Thai language.

10164 Social and Culture in the ASEAN Community**(6 credits)*****Course Learning Outcomes***

1. To be able to understand ASEAN background and history.
2. To be able to understand the purpose of the integration of ASEAN member states.
3. To be able to understand social and cultural condition of ASEAN member states.
4. To be able to understand the role and relationship of ASEAN and other nations.

Course Description

ASEAN background and history; the integration of ASEAN member states; social and cultural condition of ASEAN member states; the role and relationship of ASEAN and other nations.

90201 Farm Management**(6 credits)*****Course Learning Outcomes***

1. Have basic knowledge about of farm management.
2. Analyze factors related to farm management.
3. Apply knowledge real farm management.

Course Description

Management principles and economic principles applied to farm management; factors determined types of farm; management of farm production factors; principles and practices in good farming; starting up a farm business; planning and budgeting a farm; management of farm credits; farm activities record; farm performances analysis; farm product market management; application of knowledge in farm management to agricultural extension and development.

90406 Soil, Water, and Fertilizer Management**(6 credits)*****Course Learning Outcomes***

1. To enable students to explicate knowledge of soil, water, and fertilizer which is related to agriculture.
2. To enable students to explicate soil and water conservations.
3. To provide knowledge about information relating to soil, water, and fertilization for agricultural production and for production problem solving.
4. To enable students to apply information relating to soil, water, and fertilization for agricultural production and problem solving.
5. To enable students to explicate and apply innovation and technology relating to soil, water, and fertilizer to increase efficiency of agricultural production.

Course Description

Soil genesis; soil classification and soil survey; importance of soil in crop cultivated and animal feeding; water and water utilization in crop production; fertilizer and fertilizer utilization; problems of soil, water, and fertilizer with agriculture and problem solving; soil and water conservations; information relating to soil, water, and fertilizer and application for agriculture.

91109 Fundamentals of Agricultural Extension and Development**(6 credits)*****Course Learning Outcomes***

1. To have knowledge and understanding about basic problems, agricultural society conditions, trends and general policies in agriculture.
2. To have knowledge and understanding about concepts, theories, and principles about agricultural extension and development.
3. To have knowledge and understanding about development, extension officers, organizations, agricultural extension and development, and target groups in various areas.

Course Description

Farmer society conditions; changes in Thai farmer society and agricultural policies; concepts, philosophies, objectives, principles, and theories involving agricultural extension and development; knowledge and knowledge management, leaders, psychology, human relations, media, and communication; administration; sustainable agricultural development, sufficiency economy, and new theory agriculture; development of personnel and agricultural extension institution; development of farmers, groups, organizations, networks, target institutions, and volunteers in agricultural extension and development; models, channels, communication

technology, and agricultural extension and development methods; orientation, monitoring, and evaluation; management and agricultural development projects in the urban area, suburban area, and rural area.

91110 Information and Media for Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about information relating to agricultural extension.
2. To have knowledge and ability in applying agricultural information for communication, public relations, and dissemination to the target audiences.
3. To have knowledge and ability in applying information and media for appropriate knowledge management of target audiences.

Course Description

Concepts, types, and characteristics of agricultural extension and development information; information resources and searching; knowledge about information technology; information management in agricultural community; application of computer technology in agricultural extension and development; analysis, planning, and management of medias for personal, group, mass, and social network public relations and dissemination of agricultural extension and development; printing media, sound media, movie media, and electronic media production in agricultural extension and development for farmers development and agricultural organizations; knowledge creation; production and agricultural product market; follow-up and evaluation of the information and media application in agricultural extension work.

91307 Agricultural Community Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about concepts, philosophy, principles and processes in agricultural community development.
2. To have knowledge and understanding and to analyze community development policies.
3. To have knowledge and understanding about groups and target departments related to agricultural community development.
4. To have knowledge and understanding about models, methods, follow-up and evaluation in agricultural community development.
5. To have knowledge about problems and trends in agricultural community development.

Course Description

Concepts, philosophies, and principles of community development; analysis of past development policies, target farmers in development, and various environments in the agricultural community development; factors related to development at the community, national, and international levels; models and agricultural community development methods; problems and trends of agricultural community development; strategic direction of Thai agricultural community development in the future.

91351 Principles of Administration in Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about concepts, principles, and theories of administration.
2. To have knowledge and understanding about organizational administration in government, private, and community organizations.
3. To have knowledge in planning and evaluation of agricultural extension and development.

4. To have knowledge and ability in managing agricultural extension and development projects.
5. To have the ability in applying various administrative methods for agricultural extension and development work.

Course Description

Concepts and theories about groups and administration; administrative principles, instruments, strategic formulation, planning; project creation; project administration and evaluation in agricultural extension and development administration; human resource management; organizational administration; group and network administration; risk management; conflict management in agricultural extension; ethics and morality in managing strong and sustainable agricultural extension and development works.

91353 Agricultural Extension and Development for Sustainable Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about the development of sustainable agricultural systems.
2. To have knowledge and ability to manage sustainable agricultural resources.
3. To have knowledge and ability in integrating agricultural systems for sustainability.
4. To have knowledge and ability in agricultural extension on the management of integrated aspects of agricultural systems.

Course Description

Sustainable development concepts for soil, water, and forests; Protection and adaptation for natural changes; principles of agricultural system management; crop production; animal production; integrated marine animal breeding; models for new era of agricultural works; agroforestry system management; agricultural logistics; exquisite agriculture; contract farming; agricultural mechanization in agricultural extension and development; impact assessment from farming for sustainable development.

91368 Extension of Agricultural Production and Product Management (6 credits)

Course Learning Outcomes

1. To have knowledge about agricultural and environmental resource management.
2. To have knowledge about production management and production development.
3. To have knowledge about value adding and value of agricultural products.
4. To have knowledge about the extension of the use of agricultural resources in production.

Course Description

Concepts of agricultural and environmental resource management for production; concepts of systematic management and development of agricultural, livestock, fisheries, and forestry processes; extension and development of production to meet standards; plot and postharvest production management; value adding of agricultural products and agricultural waste management; extension of the use and preservation of agricultural resources and the environment for maximum benefit.

91369 Agricultural Innovation for Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have general knowledge about agricultural innovation.
2. To have knowledge about innovations in the management of agricultural resources and agricultural products.
3. To have knowledge about wisdom.

4. To have knowledge about agricultural knowledge agricultural technology.

Course Description

Concepts and theories about innovation; innovations in the management of agricultural resources and agricultural products; agricultural process innovation; community wisdom; wisdom, knowledge, agricultural technology, information technology and agricultural innovations application for agricultural extension and development.

91419 Capital Administration for Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about capital, factors in capital administration, and capital administration.
2. To have knowledge and understanding about group and institutions, group and related institution with capital in various levels operations.
3. To have knowledge and understanding about capital regulations and guidelines for sustainable extension and capital development.

Course Description

Concepts and factors related to capital; financial management, models, methods, analysis, and extension of investment as well as capital utilization planning; capital administration of groups, organizations, and institutions related to capital; agricultural extension and development of community, national, international financial institutions; regulations and law related to agricultural capital and credits; credit administration; household accounting and balance sheet; investment analysis and extension at household and community levels.

91420 Research in Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have knowledge and understanding about principles, methods, and processes of agricultural extension research.
2. To have ability in applying research knowledge to plan, operate, and evaluate agricultural extension work.

Course Description

Meaning and importance of research; research principles, methods, and processes; research operations in agricultural extension and development in various types including community-based research, agricultural knowledge dissemination research, agricultural production and agricultural commodity market; application of research results in planning, operation, and evaluation agricultural extension and development works.

91421 Professional Experience in Agricultural Extension and Development (6 credits)

Course Learning Outcomes

1. To have ability in applying effective agricultural extension and development principles.
2. To develop ability in group management, planning, and operation.
3. To develop ability in project management, knowledge dissemination, media production and utilization, and basic research study.
4. To develop leadership, human relation, and decision making abilities.

5. To develop ability in data analysis, synthesis, and evaluation relating to appropriate situations and case study.
6. To create understanding and consciousness in agricultural extension ethics.

Course Description

Application of principles and methods in agricultural extension and development into practices by focusing on group management, planning, and operations; community leadership creation; agricultural extension and development project writing ; knowledge dissemination methods; media production and utilization; data utilization, regulations and related laws ; basic research study; results analysis, synthesis, and evaluation; agricultural extension case study and simulation; work ethics and group activities for virtue, morality and effective leadership development.

91464 Ornamental Plants in Landscaping

(6 credits)

Course Learning Outcomes

1. Have knowledge and understand ornamental plants.
2. Have knowledge and understand landscaping.
3. Have ability in applying sustainable and appropriate ornamental plants in landscaping.

Course Description

Rationale of ornamental plants in landscaping; importance of ornamental plants and landscape; relationships between occupations in ornamental plants in landscape; ornamental plant society and necessary environment; classification of ornamental plants for landscape ; basic principles for design of ornamental plants in landscape ; ornamental plant design for the values of utilization; process of design by using ornamental plants; principles of ornamental plant selection for landscape design; concepts of appropriate and sustainable design; design, planting pattern; details of price estimation, contract, and construction; techniques of arrangement and planting, machine, tools, maintenance, related business, and management.

91465 Agro-Tourism Management

(6 credits)

Course Learning Outcomes

1. Have general knowledge of agro-tourism management.
2. Have knowledge of factors relating to feasibility analysis, planning, and evaluation of agro-tourism management.
3. Have knowledge of various organizations relating to agro-tourism management.
4. Have ability in the way of agro-tourism management and promotion at community and national levels.

Course Description

Meaning and importance of agro-tourism; evolution, concepts, theories, and principles relating to agro-tourism management; models and characteristics of agro-tourism management; factors relating to agro-tourism; feasibility analysis, planning, and evaluation of agro-tourism management; organizations relating to agro-tourism management; a case study of organizations relating to agro-tourism management; the way of agro-tourism management and promotion at community, regional and national levels.

91466 Animal Production for Recreation and Economics**(6 credits)*****Course Learning Outcomes***

1. Have general knowledge of recreational animal production in Thailand and other countries.
2. Have knowledge of principles of recreational animal production as significance to economic.
3. Have knowledge of promotion ways of recreational animal production for selling at local, national, and international markets.

Course Description

Fundamentals of recreational animal production in Thailand and other countries, including situations and potentials of production; principles of recreational animal production and management for ornament, entertainment, or sports, and pets; animal production for industrial purposes; varieties, feeds and feeding, diseases and their controls; management of production, marketing, and related business; promotion ways of recreational animal production for selling at local and national markets, and exports.

91470 Wisdom, Knowledge Management and Transfer in Agricultural Extension and Development**(6 credits)*****Course Learning Outcomes***

1. To have knowledge and understanding of concepts of knowledge and knowledge management.
2. To have knowledge and understanding about models and knowledge management methods in agricultural extension work.
3. To have knowledge and understanding about the principles and knowledge management processes.
4. To have knowledge and understanding about the concept and management of community wisdom for agricultural extension and development.
5. To have knowledge and understanding about knowledge transfer.

Course Description

Concepts about knowledge and knowledge management; models and methods of knowledge management in agricultural extension and development; principles and processes of knowledge management; concept of community wisdom; community wisdom management for agricultural extension and development; knowledge management planning, knowledge management, reporting on knowledge management results. knowledge transfers planning, and agricultural knowledge transfer operation; monitoring and evaluation of knowledge management and knowledge transfer.

91471 Agricultural Leader, Group, Organization, and Network**(6 credits)*****Course Learning Outcomes***

1. To have knowledge about leaders.
2. To have general knowledge about concepts and group theories.
3. To have knowledge about group types, principles of establishment, operation, analysis, and evaluation of groups.
4. To have knowledge of group development and networks approaches.

Course Description

Concepts and theories about leaders in agricultural extension and development; leadership development process and leadership selection; leadership development, development and management of agricultural groups, organizations, and networks; analysis, monitoring, and evaluation of leaders, groups, organizations, and agricultural networks; problems and directions of development of leaders, groups, organizations, and agricultural networks.

94329 Fundamentals of Agribusiness**(6 credits)*****Course Learning Outcomes***

1. To give students knowledge and understanding of agribusiness operations, from agricultural production procurement, processing, storage, and sales in the domestic and export markets.
2. To give students knowledge and understanding about the support units in agribusiness.
3. To give students knowledge and understanding of the agribusiness environment and types of agribusiness in Thailand.

Course Description

Definition and importance of agribusiness; agribusiness operations from production and procurement of factors of production, agribusiness production, procurement of product, and processing and storage, sales in the domestic market and exporting; agribusiness support units; the agribusiness environment and types of agribusiness in Thailand.

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