

COURSE DETAILS

90307 Crops Production

(6 credits)

Course Learning Outcomes

1. To provide students basic knowledge about crop production and crop production management.
2. To provide students knowledge about plants, factors in plant production, plant science, and plant production technology.
3. To provide students knowledge about the production of essential economic crops.
4. To provide knowledge about the development and promotion of economic crop production.

Course Description

This subject provides basic knowledge of plant production, agricultural landscape related to plants, planting and planting systems, soil, water, fertilizer, and pests management, breeding and plant propagation, harvesting and post-harvest management, production of the important crop, guidelines for promotion and development of economic crop production in Thailand.

93257 Introduction to Crop Pests

(6 credits)

Course Learning Outcomes

1. To give students knowledge and understanding of the major types of crop pests.
2. To give students an understanding of the sources, vectors, epidemiology and damage of crop pests.
3. To give students the ability to diagnose the causes and danger level of crop pests.
4. To give students knowledge and understanding of principles of pest prevention and protection.

Course Description

Classification of crop pests (insects, animals, diseases and weeds); source of pests; distribution and epidemiology; damage and destructive mechanisms; diagnosis of pest damage; principles of pest control and basic knowledge of various pest prevention tools and methods.

93352 Principles of Crop Production Management

(6 credits)

Course Learning Outcomes

1. To give students knowledge and understanding of general management principles and crop production management principles.
2. To enable students to apply knowledge of general management principles for the efficient management of crop production.

Course Description

Meaning of crop production management; principles of general management and crop production management, including marketing and related economic principles; project and plan analysis; organization management and human resources; delegation and control; accounting and finance; management before and after planting; harvest and post-harvest management; machinery management; crop production principles under various ecological systems and alternative farming; and application of general management and crop production management principles for efficient crop production.

93457 Industrial Crop Production Management**(6 credits)*****Course Learning Outcomes***

1. To give students knowledge and understanding of industrial crop production management.
2. To give students the ability to make informed decisions on which industrial crops are suitable and economically feasible for different environments.
3. To give students the ability to choose appropriate industrial crop production technology for different conditions and to conserve the environment.
4. To enable students to manage industrial crop production efficiently.

Course Description

Types of industrial crops; concepts of production management, marketing, production factors, production processes, production techniques and post-harvest management; decision making and selection of appropriate industrial crop production technology to match the needs of commerce, the environment and environmental conservation.

94330 Agricultural Products and Processing Management**(6 credits)*****Course Learning Outcomes***

1. In order to have knowledge and ability in managing agricultural products.
2. In order to have knowledge and ability in managing agricultural product processing.
3. In order to be able to apply knowledge in the management of agricultural products and processing.

Course Description

Concepts of agricultural products and processing management; adding value to agricultural products; harvesting and post-harvest management for cereal crops, horticultural crops, livestock and aquatic animals; processing to make food and non-food products; packaging; setting up an agricultural product factory; related investment and finance; production planning and raw materials management; factory operations; management of product, price, place and promotion for agricultural products; case studies in agricultural products and processing management.

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