



Chiang Mai University

Master of Science in Agricultural Systems

Introduction

The International Master Program in Agricultural Systems at Chiang Mai University has operated since 1988. The program highlights the use *systems-oriented* and *interdisciplinary approach* to tackle problems in agricultural and natural resource management of the developing world. It enables students to enrich and broaden their perspectives on complex issues relevant to agriculture in their own countries. It provides them with modern tools and techniques to address these problems and issues. Given the breadth of content of the program, students can have diverse academic background including crop, animal and social sciences.

Since inception, more than 200 students—from China, Myanmar, Cambodia, Nepal, Bhutan, Bangladesh, Vietnam, Indonesia, Philippines and Thailand graduated from this program. Many are now top agricultural administrators in their countries. The Program structure and content is generic and universally useful and can be applied to other parts of the developing world.

Chiang Mai is an attractive city of Thailand with natural beauty, cultural richness and modern amenities. It is a perfect place for studying and learning new experiences in agricultural development with lowland, upland and highland environment in the same region together with fast economic development in the country making real world learning and experiences simple. The program enables students to conduct research in their own countries so research is done and is meaningful in students' own context. Chiang Mai University is also fast becoming a leading international university in the Asian region with many foreign students.

Structure of the Degree

The 2-year program consists of one and a half years of course work, and six months of thesis. Total course work of 24 credits and 12 credits for thesis are required.

Course work (24 credits)

Courses offered in this program include:

Agricultural Systems

- Basics of Agricultural Systems
- Research Formulation and Communication
- Analysis of Agricultural Systems

Development and Planning

- Agricultural Systems and Development
- Social Context in Agricultural Systems
- Project Planning, Monitoring and Evaluation

Agricultural Information Systems

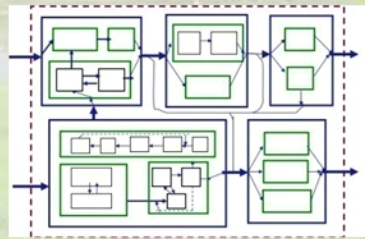
- Decision Support Systems in Agricultural Resource Management
- Spatial Information Systems for Resource Management

Cropping and Natural Resource Systems

- Management of Cropping Systems
- Ecology of Agronomic Crops
- Modeling and Simulation in Agricultural Systems
- Economics and Management of Forestry and Agroforestry Systems

Marketing Systems

- Agricultural Marketing Systems
- Financial Management of Agribusiness



Research Areas

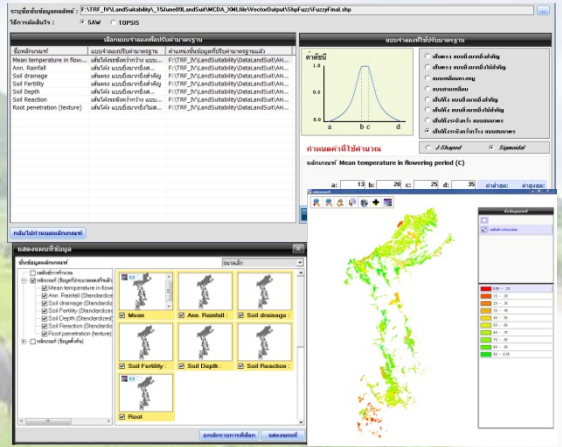
Thesis research (12 credits) include.

Sustainability issues

- Sustainable agriculture
- Organic farming
- Sustainability of land and water resources
- Sustainability livelihood systems
- Participatory technology development
- Crop and soil conservation
- Safe pesticide use

Agricultural and natural resource management and planning

- Use of geographic information system (GIS) and remote sensing for agricultural decision support systems
- Crop modeling and simulation
- Water use efficiency
- Agriculture and climate change
- Watershed management



Staff

Our staff members consist of long-standing agronomists, soil scientists, agricultural economists and horticulturalists in Chiang Mai University who have expertise in agricultural research and development at the local, regional and international levels.

Tuition and fees (approximate)

- Tuition \$USD 5,858 per year (\$USD=35 baht)
- Research costs \$USD1,285 (year 2 only)
- Living cost \$USD 300 per month

Academic Calendar

- Semester 1: June to October
- Semester 2: November to February
- Application deadline for academic year: 1st April

Required Documents for Application

- Two completed application forms with two photographs
- Two copies of official transcript (in English) of undergraduate degree
- Three letters of recommendations
- Proof of English proficiency
- One-page proposed thesis
- Application fee of \$US 26 (1USD=35 baht)

Scholarships

The Program does not offer direct scholarships to students. It will facilitate students to get a direct contact with donors. Thailand International Agency for Development and Cooperation, Thailand Research Fund are among active donors to the Program.



Application Procedures

Application forms and further information can be obtained from

Agricultural Systems Program,
The Multiple Cropping Center,
Faculty of Agriculture,
Chiang Mai University,
Chiang Mai 50200, Thailand
Tel. +66-53-944-621 Fax +66-53-210-000
<http://www.mcc.cmu.ac.th> or

The Graduate School,
Chiang Mai University,
Chiang Mai 50200, Thailand
Tel +66-53-94-2405 Fax +66-53-892-231
<http://www.grad.cmu.ac.th>

Further information:
Chair Person,
Dr. Benchaphun Ekasingh
email: bench.ek@chiangmai.ac.th

International Program



Chiang Mai
University
Thailand

