

Chiang Mai University

Founded in 1964, Chiang Mai University (CMU) is among the leading Thai universities in teaching and research in the agricultural science field. The university has nine international Master Degree programmes and features excellent facilities for study and living. Its campus offers a unique multi-cultural environment for more than 30.000 students and its adjacent mountains and tropical watersheds provide outstanding opportunities for field studies, socio-economic surveys and excursions.

CMU has the national research mandate for the region of northern Thailand. Furthermore, the university has been assigned to become one of the leading universities in research and teaching on agriculture and natural resource management in mountainous regions of Southeast Asia. As one of the major academic centres of the Greater Mekong Subregion (GMS), CMU is in an excellent position to attract students from South and Southeast Asia and to become a regional education hub for sustainable agriculture and integrated watershed management.

CMU's Faculty of Agriculture has an extensive network of cooperation in teaching and research comprising national organizations and international partners, such as the World Agroforestry Center (ICRAF) and many leading universities in the USA, Europe and Asia.



JOINT DEGREE MASTER

Detailed information is available at SAIWAM

www.uni-hohenheim.de/saiwam

Contact

Chiang Mai University | Faculty of Agriculture

Co-ordination office SAIWAM | Chiang Mai 50200 Thailand

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Applications can be submitted only for the summer semester. For further details - e.g. application deadlines - see our websites.



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CHIANG MAI UNIVERSITY
FACULTY OF AGRICULTURE & GRADUATE SCHOOL

UNIVERSITÄT HOHENHEIM
FAKULTÄT AGRARWISSENSCHAFTEN



Joint Degree Master of Science Sustainable Agriculture and Integrated Watershed Management

Integrated Approaches in Education



Universität Hohenheim

Looking back at a history of nearly 250 years, Universität Hohenheim is one of Europe's leading universities in the field of agricultural sciences and natural resource management. Its 16 Master programmes in agriculture fulfil top standards, and its graduates are highly competitive in the international job market.

Hohenheim is a relatively small university with more than 8000 students. The campus, with the castle park and botanical garden, is one of the most beautiful in Germany and has a pleasant, open working atmosphere. All university facilities are within walking distance. There are additional leisure facilities such as the own sports centre, and a large number of cultural events and collegiate groups and clubs.

With several long-term interdisciplinary research programmes, such as the Thai-Vietnamese-German Collaborative Research Centre "Sustainable Land Use and Rural Development in Mountainous Regions of Southeast Asia" funded by the German Research Foundation (DFG) and the Sino-German research cooperation "Living Landscapes China" funded by the German Ministry of Education and Research (BMBF), the university combines high-quality interdisciplinary research in the Greater Mekong Subregion (GMS) with excellent teaching and training in the field of sustainable agriculture and integrated watershed management.



SUSTAINABLE AGRICULTURE AND INTEGRATED WATERSHED MANAGEMENT

Watersheds are of significant importance for the global ecosystems and are characterised by a high degree of ethnic, cultural and ecological diversity. They span from small mountain catchments to transboundary river basins. Interdependencies between upstream and downstream agriculture and resource management pose particular challenges for the development of sustainable land use practices. High population growth, climate and land use change, and extraction of natural resources by a variety of actors are increasing the pressure on fragile watershed areas. In order to stop the downward spiral of resource degradation, landscape instability, reduced biodiversity, rural poverty and food insecurity, an interdisciplinary analysis and new participatory approaches to sustainable agriculture and integrated watershed management are needed that identify sustainable land use practices, strengthen local institutions and knowledge systems, and increase the resilience of watershed ecosystems and rural livelihoods.

The joint degree master programme offered by Universität Hohenheim, Germany and Chiang Mai University, Thailand seeks to lay the foundation for such integrated and participatory approaches in education and training. It addresses post-graduate students from Southeast and South Asia, Latin America and Africa, who want to deepen their knowledge of the complexity of watershed agro-ecosystems, sustainable agricultural practices and new pathways of integrated watershed management. Students from Europe, East Asia and North America with interdisciplinary and international interest are of course also very welcome.

Building Your Own Profile

The two-year Joint-Degree M.Sc. programme consists of four semesters, during which fifteen thematic modules and the Master Thesis have to be completed. The first two semesters, offering a broad interdisciplinary training with field excursions to follow the participatory approach of the programme, are to be completed at Chiang Mai University. The third semester, offered at the Universität Hohenheim, leads to a specialisation in one of three fields, namely (1) agricultural economics and social sciences, (2) natural resource management and (3) animal production systems. The Master Thesis can be prepared at either of both universities.

Structure and Course Schedule

SEMESTER	1	6 Compulsory modules Development Policies and Economic Strategies Ethnic, Cultural and Social Aspects of Watershed Development Soil, Water and Forest Resources Sustainable Livestock Production Systems Sustainable Production of High-Value Crops Watershed Ecology and Agroecosystems
	+	
	2	4 Semi-elective modules Economic Modeling and Policy Simulation Integrated Watershed Modeling Processing and Marketing of High-Value Food Products Renewable Energy Sources for Watershed Development
	3	1 Interdisciplinary study project 1 Compulsory Module 3 Elective modules according to the field of specialization
	4	Master Thesis

Career Opportunities

With its interdisciplinary, team-oriented, participatory and intercultural approach, the study programme addresses a rapidly growing job market at the national and international level. Professionals with a profound expertise in key global issues, such as climate and land use change, resource conservation and high-value agricultural production, are in high demand. Jobs will be available in international research and development organizations working on sustainable agriculture, global environmental change, nature protection, and food security. National careers can be pursued, for instance, in land use planning, environmental impact assessment as well as teaching interdisciplinary approaches to land care and natural resource management.

Admission Requirements, Fees and Tuition

Students require an above-average Bachelor of Science or an equivalent degree in Agriculture or a related discipline (e.g., environmental sciences, natural resource management). Their B.Sc. should include at least three years of studies at a university. Applicants must provide a proof of proficiency in English – minimum 213 CBT TOEFL scores or equivalent scores in other internationally accepted tests. Grades, professional experience, motivation and relevant activities are important additional criteria for admission. Tuition and administrative fees are around 2,000 EUR per semester on average. The cost of living for students in Thailand is estimated at around 200 EUR per month, while the minimum living costs in Germany amount to 600 EUR per month. Students have to send their applications to the co-ordination office at CMU. They are enrolled at both universities.

Qualification at the Highest Level

Both universities have long-standing experience in research on sustainable agriculture and integrated watershed management and have developed an extensive network of partner universities and research organizations in the Southeast Asian region and beyond.

The modules offered at Chiang Mai University are jointly organized and taught by Thai and German professors, who have broad experience in international research and teaching. Students also benefit from the worldwide academic network of the two universities. Guest speakers from various Asian partner universities, international research centres and development organizations enrich the curriculum with special fields of expertise.

Students can also choose from a variety of complementary courses offered in established international programmes of Chiang Mai University and Universität Hohenheim. The Master Thesis will be jointly supervised by Thai and German professors and can be carried out in Germany or in Southeast Asia.

