

School of Management

Mae Fah Luang University

Doctor of Philosophy Program in Natural Resources and Environmental Management (International Program)

The Ph.D Program in Natural Resources and Environmental Management is designed to develop human resources with good interdisciplinary knowledge and innovative research methodologies. Using English as the medium of instruction, it aims to facilitate original research and to devise effective and relevant approaches to solving problems in natural resource and environmental management (NREM) in the Greater Mekong Sub-region (GMS), including Thailand and neighboring countries with similar environments. The ultimate goal will be sustainable development.

The dissertation committee will include at least one external co-advisor from a reputable university in Asia or beyond, and the research outputs should be published in international, refereed journals. The research activities for doctoral students will focus particularly on problem solving in natural resource and environmental issues, usually involving local community participation, including natural resource conservation, and environmental protection across the region.

Through solving real-world problems, it is expected that the research will lead, for example, to the development of innovative environmental risk assessment methods, new concepts and ideas for eco-friendly industrial production, to create more rational and effective environmental protection and natural resource use policies. Research will involve cooperation with various national, regional, and international organizations. This Program is available through two study plans.

Plan 1.1: Thesis / Dissertation only (For Graduate Degree)

Plan 2.1: Courses study and Thesis / Dissertation (For Graduate Degree)



Doctor of Philosophy Program in Natural Resources and Environmental Management (International Program)

Ph.D. (Natural Resources and Environmental Management)

Curriculum

Plan 1.1	Total Credits not less than	48	Credits
Plan 2.1	Total Credits not less than	48	Credits

Curriculum Structure

Plan 1.1	48	Credits
1) Dissertation	48	Credits
Plan 2.1	48	Credits
1) Major Required Courses	12	Credits
2) Dissertation	36	Credits

Course Requirements

Plan 1.1	48	Credit
1208913 Dissertation	Cr(Le-Pr-SS)*	48 (0-144-48)
Plan 2.1	48	Credit
1) Major Required Courses	12	Credits
1208802 Natural Resources and Environmental Systems, and their Dynamics	Cr(Le-Pr-SS)	3 (3-0-6)
1208839 Socio-economic and Environmental Impact Assessment and Risk Management		3 (3-0-6)

1208840	Regulations, Policy and Planning of Natural Resources and Environment	3 (3-0-6)
1208901	Special Topic 1	1 (1-0-2)
1208902	Special Topic 2	1 (1-0-2)
1208903	Special Topic 3	1 (1-0-2)
1208904	Seminar	1 (1-0-2)
1208907	Proposal for Dissertation	1 (1-0-2)
2) Dissertation		36 Credits
1208910	Dissertation	Cr(Le-Pr-SS) 36 (0-108-36)

- * Cr : Credits
- Le : Lecture
- Pr : Practice
- SS : Self Study

Descriptions ::

School of Management

- 1208802 Natural Resources and Environmental Systems and their Dynamics 3(3-0-6)**
The importance of natural resources in the context of environmental systems; dynamic interactions among key components soil: water and air; natural resources in national and regional economies, relationships with the environment; trans-boundary issues; ecosystem management.
- 1208839 Socio-economic and Environmental Impact Assessment and Risk Management 3(3-0-6)**
Socio-economic and environmental impact assessment for soil, water, and air resources; urbanization, industrialization, and land use intensification considerations; risk assessment methodologies; trans-boundary issues, particularly for combined effects of impact.
- 1208840 Regulations, Policy, and Planning for Natural Resources and the Environment 3(3-0-6)**
Development and implementation of environmental regulations; effective approaches to pollution abatement; techniques for predicting the impact of emissions; policy and planning, and implementation strategies for regulation; trans-boundary issues, sustainable economic development and conservation.
- 1208904 Seminar 1(1-0-2)**
This requires seminar presentation to be shared among all PhD students.
- 1208906 Special Topic1 1(1-0-2)**
This requires independent study on expected research topics intended for use in the dissertation.
- 1208902 Special Topic 2 1(1-0-2)**
This requires independent study on in-depth research methodologies intended for use in the dissertation.
- 1208903 Special Topic 3 1(1-0-2)**
This requires independent study on data systems management intended for use in the dissertation.
- 1208907 Proposal for Dissertation 1(1-0-2)**
This requires comprehensive preparation for the dissertation, including literature review, problem statement, research methodology, expected submission to, and presentation before the examination committee.
- 1208912 Dissertation 36(0-108-36)**
This requires independent research on NREM in the its. The thesis must have an element of originality and contribute to the body of knowledge and application. The thesis will be carried out under the supervision of the dissertation committee, including an external examiner.
- 1208913 Dissertation 48(0-144-48)**
This requires independent research on NREM in the its. The thesis must have an element of originality and contribute to the body of knowledge and application. The thesis will be carried out under the supervision of the dissertation committee, including an external examiner.