

Faculty of Forestry

Master of Science Program in Tropical Forestry (International Program)

M.S. (Tropical Forestry)

Plan A Option 2:

Total credits required: minimum 38 credits

(1) Major courses: minimum 26 credits

- Seminar: 2 credits

01309597	Seminar	1,1
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- Major requirements: 8 credits

01309511	Tropical Forestry	4(4-0-8)
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01309591	Research Techniques in Tropical Forestry	4(4-0-8)
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- Major electives: minimum 16 credits

Choose 500 level courses from Tropical Forestry and/or from other related fields.

01309512	Utilization of Tropical Forest Resources	3(3-0-6)
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01309513	Tropical Forest Resources Management	3(3-0-6)
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01309521	Principle of Land Use in Tropical Forest	3(3-0-6)
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01309561	Tropical Silviculture	3(3-0-6)
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01309596	Selected Topic in Tropical Forestry	3(3-0-6)
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01309598	Special Problems	1-3
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Related field:

- Watershed and Environmental Management

- Forest Biological Science

- Forest Engineering

- Forest Resource Management

- Wood and Paper Industrial Technology

- Silviculture Technology

- Parks, Recreation, and Tourism

- Social Forestry

(2) Thesis: minimum 12 credits

01309599	Thesis	1-12
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Course Description

01309511	Tropical Forestry	4(4-0-8)
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Forest and forestry in tropical countries and especially the countries, especially in the ASEAN countries problems and development in each country, external influences from other countries and international agencies upon the tropical forest status both in past and present times, suitable direction for development and policy set up for sustainable use, values and importances of tropical forest upon the living of the world. Field trips required.

01309512	Utilization of Tropical Forest Resources	3(3-0-6)
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Sustainable utilization of various natural resources in tropical forest, emphasizing on

	multiple use of wood, non-wood, wildlife, water and natural recreation area. Field trips required.	
01309513	Tropical Forest Resources Management Multistakeholders in natural forest resources management, Importance of natural forest resources in various resources aspects; timbers, wildlife, water, range, scenic areas and genetic resources. Appropriate administrative policy, forest management methods. Forestry concepts in multiple uses and ecosystem management. Field trips required.	3(3-0-6)
01309521	Principle of Land Use in Tropical Forest Land use in tropical forest, land use evolution, criteria and methods of land capability classification and land suitability assessment, assessment of tropical forest. Case studies of appropriate technology and local wisdom for sustainable land use management. Processes of land use participation planning and environmental impact assessment of land use. Field trips required.	3(3-0-6)
01309561	Tropical Silviculture Global warming and climate change in the tropics and the principles of silviculture, silviculture of natural stands and plantation, silviculture on wood property, rural development in tropical countries, especially ASEAN countries. Field trips required.	3(3-0-6)
01309591	Research Techniques in Tropical Forestry Research principles and methods in tropical forestry, problem analysis for research topic identification, Research planning, identification for samples and statistical analysis techniques. results interpretation and explanation, discussion, report writing, academic presentation, and preparation for journal publication. Field trips required.	4(4-0-8)
01309596	Selected Topic in Tropical Forestry Selected topics in tropical forestry at the master's degree level. Topics are subject to change each semester.	3(3-0-6)
01309597	Seminar Presentation and discussion on interesting topics in tropical forestry at the master's degree level.	1
01309598	Special Problems Study and research in tropical forestry at the master's degree level and compile into a written report.	1-3
01309599	Thesis Research at the master's degree level and compile into a thesis.	1-12