

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

Academic Institution: Faculty of Science, Chiang Mai University

Duration: Two (2) years (academic year 2014 - 2015)

Eligible Countries:

Afghanistan, Bangladesh, Djibouti, El Salvador, Eritrea, Fiji, Gambia, Guinea, Indonesia, Iran, Jordan, Kenya, Lesotho, Malawi, Maldives, Marshalls Islands, Micronesia, Nepal, Pakistan, Papua New Guinea, Philippines, Samoa, Solomon Island, Sri Lanka, Sudan, Tanzania, Timor-Leste, Uganda and Vanuatu.

Objective:

1. To produce highly qualified graduate in the field of environmental science with the good moral and ethics.
2. To produce researchers who can plan, manage, solve problems, conduct research and having communication, numerical and information technology skills in the field of environmental science.

Course Synopsis & Methodology:

Environmental science is an integrated science using multidisciplinary knowledge to study environmental issues with the emphasis of scientific method. The global environmental impacts such as climate change are of interest. Furthermore the local and regional problems such as air and water pollution, flood and draught, degradation of environmental resources are being focused. The environmental science program aims to provide knowledge and train students based on cases of environmental problems especially in tropical ecosystems with reach of biodiversity in order to monitor and assess environmental quality using bioindicators together with physical environmental sustainable development. The program will also include environmental issues concerning the upcoming Asian Economic Community (AEC).

Course Content/ Study Topic:

1. Required courses	12	credits
213703 Environmental Science Concepts		3
213704 Environmental Monitoring		2
213705 Environmental Monitoring Laboratory		2
213711 Environmental Impact Assessment		3
213791 Seminar in Environmental Science 1		1
213792 Seminar in Environmental Science 2		1
2. Elective courses	a minimum of 12	credits
Choose from the following courses and any course with the approval of the Graduate Study Committee		
202770 Tropical Plant Ecology		3
202773 Limnology		3
202786 Basic and Applied Tropical Ecology		3
202833 Statistics for Bioscience Research		3
202873 Wildlife Conservation		3
203750 Environmental Analytical Chemistry		2
203851 Environmental Toxicology and Residue Analysis		3
205808 Contaminant Hydrogeology		4
213701 Environmental Education 1		3
213702 Environmental Education 2		3
213712 Standard and Regulations in Environmental Law		1
213713 Environmental Modeling		2
213714 Environmental Risk Assessment		2
213779 Selected Topics in Environmental Science		2
253731 Environmental Health and Sanitation		3

253732 Advance Air Pollution Control	3
253734 Resource Recycling Technology	3
253735 Advanced Solid Waste Management	3
253741 Water Quality Management	3
253747 Hazardous Waste Management	3
253751 Industrial Pollution Control	3
• 154770 GIS Applications in Geography	3
366722 Spatial Information Systems for Resource	3
3. 213799 M.S. Thesis	12 credits
Total	36 credits

Qualifications:

The applicants must be holders of a bachelor degree or equivalent of Science, technology and engineering, or related to the environmental science

Documents Required:

- Three (3) copies of the TICA application form, affixed with photographs
- Letter of recommendations (2 papers).
- Photocopy of Transcript.
- Concept paper (1-2 pages) to show the applicant interest on specific environmental issue for future thesis development.
- Certificate of English test; TOEFL (500), IELTS (5.5), Togs (65)
- Photo of passport

Closing Date For Nominations:

November 30, 2013

Late or incomplete application/ document will not be considerate

Contact:

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