



**THE UNIVERSITY OF THE WEST INDIES  
FACULTY OF SCIENCE AND TECHNOLOGY  
CENTRE FOR ENVIRONMENTAL MANAGEMENT**



**GRADUATE PROGRAMMES IN NATURAL RESOURCE AND ENVIRONMENTAL  
MANAGEMENT 2013-14**





## CONTACT US

### Centre for Environmental Management

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## ABOUT US

### BUILDING CAPACITY TOWARDS A BETTER ENVIRONMENT

The Centre for Environmental Management, was initially established in September 1998 as the Environmental Management Unit. This was based upon the activities of Professor Elizabeth Thomas-Hope, the first James Seivright Moss-Solomon Snr. Chair of Environmental Management, an endowed Chair from the Grace Kennedy Foundation. The environmental programme at UWI was developed in response to the need for a greater promotion of environmental management through capacity building. The programme promotes effective management of environmental resources through research, graduate training and community outreach. It has responded to national and regional needs in Research, Postgraduate Training, Dissemination of Information and the promotion of Public Education, and Consultancy Services.

## OUR GRADUATE PROGRAMMES

### A CHOICE OF PROGRAMMES WITH CONVENIENT LECTURE TIMES AND FLEXIBLE PAYMENT OPTIONS

#### M.SC. NATURAL RESOURCE MANAGEMENT (NRM)

There are three M.Sc. Degree and Diploma streams in the NRM:

- Integrated Urban and Rural Environmental Management (IUREM)
  - Disaster Risk Management (DRM) and
  - Marine and Terrestrial Ecosystems (MaTE).
- The M.Sc. in IUREM commenced in September 1998. It is coordinated by the Centre for Environmental Management and was initially supported by funds from the European Union. The primary objective of the programme is to contribute to an integrated approach in the Caribbean region by training professionals in environmental and natural resource management.
  - The M.Sc. in DRM commenced in September 2009 and is coordinated by the Disaster Risk Reduction Centre. The focus of this programme is on the training of disaster management experts from different disciplines, and the development of policy to address regional disaster management.
  - The M.Sc. in MaTE is the result of a 2008 merger of the Aquatic Sciences and Tropical Ecosystem Assessment and Management M.Sc. programmes, and is coordinated by the Department of Life Sciences. The programme investigates selected aspects of the biodiversity associated with Jamaican aquatic and terrestrial environments, with a greater emphasis on their management, conservation and sustainable use.

## PROGRAMME STRUCTURE

The M.Sc. degree consists of a common core of six courses – Socioecology and Natural Resource Management, Research Methods and Project Management, Environmental Impact Assessment, Principles of Geoinformatics, Management and Analysis of Environmental Data and Environmental Law and Multilateral Agreements. Additionally, there are specific specialization courses for each stream and a major Research Project. This core is done by all students in the M.Sc. Natural Resource Management streams and is also done by students in the M.Phil. and Ph.D Environmental Management programmes.

## PROGRAMME DURATION AND DELIVERY

The M.Sc. programmes have a duration of twenty four months (part-time) inclusive of field work for completion of the major Research project. The programme consists of two semesters and a summer: Semester 1 (September to December), Semester 2 (January to April) and a Summer Term (May to July), for each of the two years. Students in the MaTE stream who opt for the Environmental Research project (BIOL 6550) are allowed additional time to complete the project.

The mode of delivery is by face-to-face, lectures and labs/workshops/ seminars. Classes will be held on two weekday evenings and on Saturdays. Field trips may occasionally require weekday scheduling.

## PROGRAMME COST

The programme cost for the 2013/14 academic year is US\$10,000 or J\$994,861, inclusive of miscellaneous fees.



## CORE COURSES:

The following courses are shared by all three streams during the first year, with the exception of ENVR 6407 Environmental Economics course:

NRM CORE COURSES – YEAR 1 OF PROGRAMME	
Course Code	Course Title
ENVR6401	Environmental Law and Multilateral Environmental Agreements
ENVR6402	Research Methods and Project Management
ENVR6403	Environmental Impact Assessment
ENVR6404	Principles and Practice of Geoinformatics
ENVR6405	Management and Analysis of Environmental Data
ENVR6406	Socio-ecology and Natural Resource Management
ENVR6407	Environmental Economics*

*\* Applies only to students in the IUREM stream and students in MaTE who have elected to do the ENVR 6500 Research project. Done in the Summer Term.*

## YEAR 2 SPECIALITY COURSES

<b>INTEGRATED URBAN AND RURAL ENVIRONMENTAL MANAGEMENT SPECIALIZATION</b>	
ENVR6400	Waste Management Systems
ENVR6410	Environmental Hazards and their Impacts
ENVR6420	Health and the Environment
ENVR6430	National Parks, Tourism and Recreational Amenities
ENVR 6440	Land and Water
ENVR6500	Research Project
<b>DISASTER RISK MANAGEMENT SPECIALIZATION</b>	
ENVR6410	Environmental Hazards and their Impacts
ENVR7100	Principles of Disaster Risk Management
ENVR7130	Hazard Vulnerability and Risk Analysis
ENVR 7140	Techniques and Tools in Disaster Risk Management
ENVR 7170	Disaster Information and Communication
ENVR6500	Research Project
<b>MARINE and TERRESTRIAL ECOSYSTEMS (MaTE) SPECIALIZATION</b>	
BIOL6411	Threats to Tropical Biodiversity
BIOL6412	Conservation & Management of Biodiversity
BIOL6413	Sustainable Use and Management of Natural Resources
BIOL6414	Integrated Coastal Zone Management
BIOL6415	Natural Resources and Project Management for Environmental Education
ENVR 6500 <b>OR</b> BIOL 6550	Environmental Project <b>OR</b> Environmental Research Project

## CENTRE FOR ENVIRONMENTAL MANAGEMENT

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