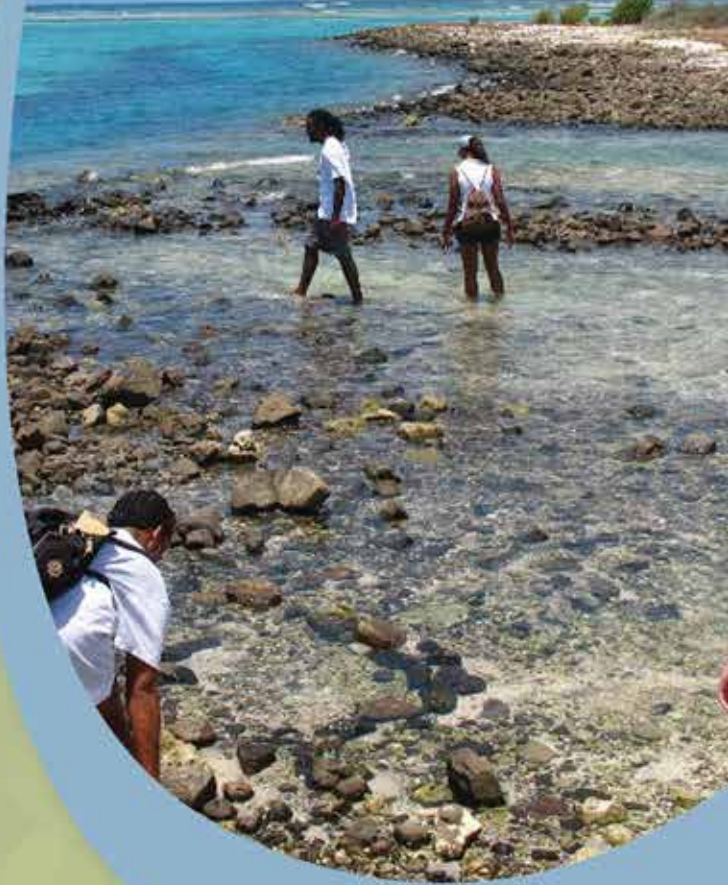




**THE UNIVERSITY  
OF THE  
WEST INDIES**

**Masters Programme  
Faculty of Science & Technology**



*Centre for Resource Management  
and Environmental Studies (Cermes)*

## **MSc. Natural Resource and Environmental Management**

*This programme seeks to provide graduate students with advanced training in techniques, mechanisms and policies for sustainable use and management of natural resources in the Caribbean.*

**2015-2016**

# MSc. NATURAL RESOURCE AND ENVIRONMENTAL MANAGEMENT

The MSc. Natural Resource and Environmental Management Programme seeks to provide graduate students with advanced training in techniques, mechanisms and policies for sustainable use and management of natural resources in the Caribbean.

## Objectives

The overall objective of the Masters Programme in Natural Resource and Environmental Management is to contribute to sustainable development in the Caribbean region by training professionals in environmental and natural resource management.

## Entry Requirements

A Bachelor's degree in a discipline appropriate to the MSc. with a minimum Grade Point Average of 2.5 or Lower Second Class Honours or its equivalent is required for entry to the programme. The minimum level of the degree required may be re-assessed for candidates with extensive professional experience in an appropriate discipline.

## Duration

The Programme is to be delivered full-time in 13 months. This includes a nine-month period for course delivery and examination, and four month period for the research project. Courses are taught as two to three week modules with examinations following the completion of each module, where applicable.

## Programme Structure / Course of Study

The MSc. consists of seven core courses, four specialisation stream courses, and a research project.

Core courses worth three (3) credits each consist of 24 hours of lectures and an average of 12 hours of practical work. Specialisation courses are worth four credits each and consist of 36 hours of lectures and an average of 18 hours of practical work.

Students must therefore obtain a total of 45 credits as follows: 21 credits from core courses, 16 credits from specialisation stream courses and 8 credits from a research project.

Students may be exempted from one or more core courses depending on their qualifications on entry to the Programme.

## SPECIALISATION STREAMS

### *Coastal and Marine Resource Management*

This stream will provide students with the knowledge and skills in concepts, policies, tools and techniques necessary for fishery and coastal zone management, and with a clear appreciation of the transdisciplinary approach required to be either effective fishery and coastal zone managers or effective advisors and consultants to organisations whose activities impact on the coastal zone. Emphasis will be on Caribbean case studies, with ample opportunity for practical experience.

### *Climate Change*

This stream will provide students with an understanding of the causes of climate change globally and in the Caribbean; current climate trends and projections for the Caribbean; potential impacts of climate change on natural and socio-economic systems in the region; adaptive and mitigative measures available to buffer the impacts of climate change; and regional and international policy frameworks for addressing climate change. Students will also be exposed to the negotiation skills required to make significant contributions at regional and international climate change meetings and Conventions.

## *Water Resources Management*

This stream prepares graduates to address technical, social, economic and political dimensions of water resources management, especially in Small Island Developing States. The specialisation courses will cover the physical and organisational dimensions of water supply, distribution and wastewater management and the variety of issues facing water services managers. It will also provide training in hydrological and geohydrological (groundwater) analysis techniques and their application.

### **Orientation**

A mandatory two (2) day orientation is held before classes start as an introduction to the MSc. in Natural Resource and Environmental Management. During this period, students are introduced to CERMES staff and are given tours of the facilities at CERMES and the University. They are also given a day tour of Barbados where CERMES staff introduce them to the issues associated with natural resource management in the context of a Small Island Developing State.

### **Field Trips**

For all specialisation streams, students may be given the opportunity to go on one week field trips which are typically within the wider Caribbean region. Students may be asked to contribute up to half of all travel costs towards the trips.

### **Cost**

This is a UGC-funded programme. Please review the UGC-Programmes Financial Handbook on our website which gives the rates applicable for academic year.

Fees quoted are for the 2014-2015 academic year and are subject to change in 2015-2016.

## **LIST OF COURSES**

### **Core (3 credits each)**

- Concepts and Issues for Environmental Managers
- \* Introduction to Environmental Planning and Management
- Professional Skills for Environmental Management
- Geoinformatics for Environmental Management
- \* Resource Economics
- \* Environmental Impact Assessment
- Measurement and Analysis in Natural Resource Management

### **Coastal And Marine Resource Management Specialisation (4 credits each)**

- Fisheries Biology and Management
- Sustainable Tourism in the Coastal Zone
- Coastal Ecology and Dynamics
- Managing Coastal and Marine Resources and Biodiversity

### **Climate Change Specialisation (4 credits each)**

- Climate Dynamics and Modeling
- Policy Response to Climate Change
- Vulnerability to Climate Change and Impact Assessment
- Climate Change Impacts: Mitigation and adaptation

### **Water Resources Management Specialisation (4 Credits each)**

- \* Hydrology
- \* Water & Wastewater Management
- \* Groundwater Resources
- Water Management & the Environment

### **Research Project or Research Internship (July – Oct all students)**

- Research project (8 credits)

\* Online courses

## CONTACT INFORMATION FOR

### MSc. Natural Resource and Environmental Management

#### Programme Coordinator

Ms. Neetha Selliah

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Fax: (246) 424-4204

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### HIGHER DEGREE PROGRAMMES

#### FACULTY OF HUMANITIES & EDUCATION

MA Caribbean Studies :  
Languages / Literatures

MA Creative Arts

Dip / MA Cultural Studies

MA History

MA Heritage Studies

MA Linguistics

MA Theology

Diploma in Education (*Secondary*)

Master in Education (MEd)

*specialisations (Curriculum Studies; Educational Leadership; Inclusive Practices for Special Needs Students; Language & Literacy Education; School Counselling; Science and Technology Education; Social Context and Education Policy; Testing, Measurement and Evaluation; and The Psychology of Education)*

#### FACULTY OF LAW

LLM / Dip Corporate  
& Commercial Law

LLM / Dip Legislative  
Drafting

LLM / Dip Public Law

LLM / Dip Intellectual  
Property Law **New**

LLM / Dip General **New**

#### FACULTY OF MEDICAL SCIENCES

DM Anaesthesia and  
Intensive Care

DM Emergency Medicine

Diploma, MSc., DM  
Family Medicine

DM General Surgery (*Parts I and II*)

DM Internal Medicine

DM Obstetrics and Gynaecology

DM Ophthalmology

DM Orthopedics

DM Paediatrics

DM Psychiatry

Master in Public Health

#### FACULTY OF SCIENCE & TECHNOLOGY

Dip / MSc. Computing Innovation

MSc. Computing Research

MSc. Natural Resource and  
Environmental Management

Dip / MSc. Technology  
Entrepreneurship

MSc. Telecommunications **New**

MSc. Renewable Energy  
Management

#### FACULTY OF SOCIAL SCIENCES

Master of Social Work

MSc. Applied Psychology

MSc. Banking & Finance

MSc. Building & Construction  
Management

MSc. Counselling Psychology

MSc. E-Governance for  
Developing States

MSc. Financial & Business  
Economics

MSc. Financial Management **New**

MSc. Human Resources  
Management **New**

MSc. Integration Studies

MSc. International Management

MSc. International Trade Policy

MSc. Investments & Wealth  
Management

MSc. Labour & Employment  
Relations

MSc. Logistics and Supply  
Chain Management

MSc. Marketing **New**

MSc. Project Management  
& Evaluation

MSc. Sociology

MSc. / Dip. Sport Sciences

MSc. Tourism & Events  
Management

MSc. Tourism & Hospitality  
Management

MSc. Tourism & Sport  
Management

MSc. Tourism with Project  
Management

MSc. Tourism Marketing

MSc. Transport Economics

#### CAVE HILL SCHOOL OF BUSINESS

Doctor of Business  
Administration

Executive Master in  
Business Administration (*offered  
in three specialisations: – General  
Management, Public Sector Management  
and Human Resource Management*)

Masters in Business Administration  
(Entrepreneurship)

International Master in  
Business Administration

Masters in Entrepreneurship  
and Innovation **New**



UWI also offers a range of MPhil and PhD programmes in a number of areas. Information on these as well as our application process, online application forms, and the documentation required can be found at:

[www.cavehill.uwi.edu/gradstudies](http://www.cavehill.uwi.edu/gradstudies)