

'Master Programme (MSc) on Solid Waste and Resource Management'

Solid waste has been evolving into a major problem that has reached proportions requiring radical measures. Increase in generation rate and change in the quality of solid waste have been observed together with inadequate legislation and high costs for collection and disposal. It is therefore crucial to adopt an integrated approach to develop a framework for solid waste management. This includes social, economic, technology, political and administrative elements.

The program is intended to provide an in-depth knowledge of solid waste management with a focus on management systems and treatment methods related to environmental policies. Moreover, principles of solid waste management, design of treatment plants, recycling methods, environmental economics, treatment options, policy issues and sustainable production will also be considered in an integrated approach.

The program will cover Waste Management, Environmental Economics and Policies, as well as Environmental Technologies and Processes, tailored especially to developing countries and transitional economies

CURRICULUM

Core Modules

- Introduction to Solid Waste Management
- Recycling and Resource Management
- Mechanical, Biological and Thermal Waste Treatment
- Hazardous Waste Management
- Waste Management Systems
- Final Disposal / Landfilling in Developing Countries
- Research Methods
- Research Project

Elective Modules

- International Environmental Policy
- Environmental Economics
- Mining Waste Management
- Sustainable Production Technologies
- Environmental Management Systems
- Special Waste Management

Duration Full time: 1 year but should not exceed 2 years (4 semesters)
Part Time: 2 years but should not exceed 4 years (8 semesters)

Location University of Mauritius

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The curriculum for this MSc is developed in the frame of CODWAP project.

Coordinated by:

Aristotle University of Thessaloniki, Greece



With partners from:

Hochschule Bremen, University of Applied Sciences, Germany
University of Mauritius
Technical University of Dresden
Fourah Bay College, University of Sierra Leone
University of Technology, Papua New Guinea



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