

# Regional Masters Degree Programme

*in Integrated Water Resources Management* **2012**



WaterNet invites applications for admission to the regional Master Programme in Integrated Water Resources Management (IWRM) to be hosted by seven universities in the Southern Africa region.

## STRUCTURE OF THE PROGRAMME

The programme comprises a compulsory core (consisting of 8 modules), a selected option (consisting of 4 modules) a groupwork project and a dissertation research project

### PREPARATION MODULE (ON REQUEST)

Pre-Masters English for Water Managers

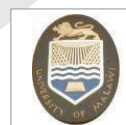
### CORE MODULES AT THE UNIVERSITY OF DAR-ES-SALAAM AND THE UNIVERSITY OF ZIMBABWE (8 MODULES)

Principles of IWRM  
GIS, database management and analytical tools  
Principles of Hydrology  
Water Resources Analysis & Planning

Principles of Aquatic Ecology  
Principles of Water Quality & Environmental Management  
Socio-Economics of Water & Environmental Resources  
Policies, Laws & Institutions

### OPTIONS (4 MODULES)

UNIVERSITY OF DAR ES SALAAM	UNIVERSITY OF ZIMBABWE	UNIVERSITY OF BOTSWANA	UNIVERSITY OF KWAZULU-NATAL	UNIVERSITY OF MALAWI	POLYTECHNIC OF NAMIBIA	UNIVERSITY OF THE WESTERN CAPE
Hydrology	Water Resources Management	Water and Land	GIS and Earth Observation	Water and Environment	Water Supply and Sanitation	Water and Society
Hydrogeology	Water Resources Assessment and Monitoring	Agricultural Water Management	Advanced GIS	Water Quality Management	Waste Water Management	Water and Security
River Engineering	Groundwater Management	Wetlands and Agriculture	Spatial Analyses for Water Resources Management	Environmental Management Tools	Water Supply	Environmental Education
Hydrological Processes	Water Resources Modelling	Agro-industrial Water Use	Earth Observation and Hydrological Analyses	Environmental Water Management	Water Utilities Management	Water and Development
Hydrological Modelling	Catchment Water Management	Catchment Management	Earth Observation Project	Management of Aquatic Ecosystems	Environmental Water Quality Process	Water Demand Management



### GROUPWORK PROJECT

### DISSERTATION RESEARCH PROJECT (6 MONTHS)



# 2012

## Entry Requirements

Participants are required to have at least a good first degree at Bachelor level (BA/BSc). The candidate should be able to show an orientation of his/her field of study to water related issues. Preference will be given to those with two or more years of relevant experience. The language of instruction is English. Below are the preferred entry requirements for the various Options.

<b>Hydrology</b>	Bachelor's degree with a Hydrology or Environmental Science background or equivalent
<b>Water Resources Management</b>	Bachelor's degree in Engineering, Agriculture, Science or equivalent
<b>Water and Land</b>	Bachelor's degree in Agricultural Engineering, Geography, Physical Planning or equivalent
<b>GIS and Earth Observation</b>	Bachelor's degree with a Hydrology or Engineering background or equivalent
<b>Water and Environment</b>	Bachelor's degree in Biology, Chemistry, Earth or Environmental Science or equivalent
<b>Water Supply and Sanitation</b>	Bachelor's degree in Civil Engineering or Environmental Science or equivalent
<b>Water and Society</b>	Bachelor's degree in Social or Earth Science or equivalent

## Start of Programme

Programme starts in February 2012 at the two core host institutions.

## Financial Assistance

WaterNet offers a limited number of scholarships on a competitive basis to SADC, Uganda and Kenya nationals.

## How to Apply

Complete the application form (attached and also available on the WaterNet website) in full. Applicants should also provide all documents requested on the form in English. Self funded students are encouraged to apply for the programme.

Submit the application in electronic form to [iwrm-masters@waternetonline.org](mailto:iwrm-masters@waternetonline.org) or in hardcopy to:

WaterNet  
PO Box MP 600  
Mt Pleasant  
Harare  
Zimbabwe

## Applications should reach WaterNet by 30 August 2011

Only successful applicants will be contacted.

If you have not been contacted by 9 December 2011 please consider your application unsuccessful.

## For any further information, please contact the WaterNet Secretariat

T: (+263-4) 333248 / 336725 / 2917028 - 30

F: (+263-4) 336740 / 334051

E: [iwrm-masters@waternetonline.org](mailto:iwrm-masters@waternetonline.org)

I: [www.waternetonline.org](http://www.waternetonline.org)



Building Capacity for Water Resources Management in Southern Africa



A Strategic Programme of the  
SADC Water Sector