



EDUARDO MONDLANE UNIVERSITY
FACULTY OF SCIENCES
DEPARTMENT OF GEOLOGY

MSc Program Coastal and Environmental Geology

Workshop on Capacity Building, Kiel 13th June 2013

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Introduction

- Mozambique is a country with huge potential in natural coastal resources in its 2700 Km long coastline
- The Mozambican coast covers a variety of environments and natural processes that enhance the development of rich and wide range of ecosystems.
- The full knowledge of the natural resources, coastal and environmental processes is somehow limited.
- Lack of qualified human resources in geosciences capable to propose comprehensive solutions for environmental problems.

Objectives of the Course

- To graduate qualified specialists to carry on academic activities and relevant professionals as well as to upgrade professionals in Geosciences related fields
- To minister advanced concepts about coastal geological and environmental processes
- To graduate professionals with better vision about the interaction between Men and environment.

Profile of the Master in Coastal and environmental Geology

- To inventory, map and evaluate coastal resources.
- To apply the knowledge, skills and techniques in the identification and characterization of coastal processes, natural disasters and their impacts in the environment and society.
- To develop Environmental Impact Assessment related to natural and anthropogenic processes and propose appropriate mitigation techniques.
- Propose management measures to solve/mitigate natural and socio-economic problems.

LEARNING AND EVALUATION STRATEGY



Duration: 2 years

Credits: 120 ETCS

Modality: Modular

Duration of the Module: 10 weeks

Number of Modules: 5 mandatory modules

Credit per Module: 15

Total Credits of the modules: 75

Number of Credits for Dissertation: 45

LEARNING AND EVALUATION STRATEGY

Forms of completion of studies : Dissertation

Duration of the Dissertation: 9 months

Créditos da Dissertação: 45 ETCS

Conditions of Access for candidates: BSc Honours in Geology and related Science fields, Environmental Engineering, Geological Engineering, Geography, Marine and Oceanographic Sciences, and candidates with relevant CV

Modules of the Course

- *Global Climatic and Environmental Changes,*
 - *GIS in Geosciences,*
 - *Integrated Coastal Zone Management,*
 - *Geo-hazards,*
 - *Mining and Environment.*
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- A scenic coastal landscape with a sandy beach, shallow water, and rocky formations under a clear blue sky. The foreground shows a wide, sandy beach with some shallow pools of water. In the middle ground, there are several large, dark, rocky formations jutting out into the water. The background features a line of green hills or dunes under a clear blue sky.

Description of the Course Program

Semester	Module	Duration (weeks)	HC	HIW	Total	ETCS
1	Global Climatic and Environmental Changes	10	181	269	450	15
	GIS in Geosciences	10	166	284	450	15
2	Integrated Coastal Zone Management	10	106	344	450	15
	Geo-hazards	10	142	308	450	15
3	Mining and Environment	10	150	300	450	15
3 and 4	Dissertation	30			1350	45
	Total				3600	120

Assessment Modalities

- Tests;
- Reports of practical and laboratory work;
- Written and oral Project Presentations –(Seminars)
- Fieldwork Reports;
- Written and/or practical Final examination of the module

Forms of completion of studies

$$N_f = (\sum n_i * c_i) / 120$$

N_f – Final mark of the Course

n_i – Mark of the Module or dissertation

c_i – number of credits of the module or dissertation

Note:

The mark of the module will be calculated according to the respective formula available in each thematic plan.

For Dissertation:

$$N_D = (2 * N_r + N_{ad}) / 3$$

N_D – Mark of the Dissertation

N_r – Mark of the written Report

N_{ad} – Mark of presentation and defence



Thanks!