



Creating education opportunities for Integrated Catchment Management skills in Lesotho

WHY DO WE NEED INTEGRATED CATCHMENT MANAGEMENT SKILLS IN LESOTHO?

Integrated catchment management is all about taking care of our land and water resources in a sustainable way. We need to ensure that natural resources are used wisely so that they are available for us and for future generations. Therefore, skills in integrated catchment management are critical as they help to achieve this.

By developing Integrated Catchment Management skills, you can play a key role in protecting our environment and ensuring that we have clean water and healthy land for years to come.





OFFERED COURSES

LESOTHO AGRICULTURAL COLLEGE: **Principles of Soil Fertility and Management**

ReNOKA reviewed the course which is part of three Diploma courses: General Agriculture, Crop Production and Animal Production. From an integrated approach of using water and soil, this course teaches students to:

- Identify causes of low soil fertility and productivity
- Conduct soil analysis for effective use of fertiliser
- Design, implement and monitor sustainable watershed management plans and use.

LESOTHO AGRICULTURAL COLLEGE: **Integrated Watershed Management**

ReNOKA reviewed the course which is part of the Diploma in Forestry and Resources Management. The course focuses on defining aspects of Integrated Catchment Management, such as watershed units, soil erosion and land degradation. Students get to know soil, land and water conservation methods and Integrated Catchment Management practices, as well as functions of involved institutions. After the course, students can identify watershed problems and formulate respective interventions.

LEROTHOLI POLYTECHNIC: **Principles of Environmental Law and Sustainability; Environmental Impact Assessment; Water Resources Management**

ReNOKA supported the development of three courses as part of the Bachelor of Engineering in Irrigation and Drainage (at a NQF level 7).

NATIONAL UNIVERSITY OF LESOTHO: **Undergraduate courses**

Together with the National University of Lesotho, ReNOKA revised five undergraduate courses to include Integrated Catchment Management principles:

As part of BSc Environmental Science and BSc Geography (various degree programs):

- Principles of Range Management
- Land Degradation and Sustainable Land Management

As part of BSc Soil Science and BSc Range Management:

- Soil and Water Conservation
- Watershed Management

As part of the Bachelor of Law (LLB):
Environmental Law.

NATIONAL UNIVERSITY OF LESOTHO: **Master of Science in Integrated Catchment and Water Resources Management (full two-year program)**

The program comprises 12 core courses which are covered in year 1. In year 2, two specialisations are offered – Catchment Management or Water Resources Management – and a dissertation needs to be completed at the end of fourth year.

Entry requirements:

- BSc, BSc Honours, postgraduate certificate, or postgraduate diploma in biophysical sciences or engineering in any natural science fields from a recognised institution with at least a lower second class (2 (ii)) or C GPA 3.0.

- Applicants with a pass in engineering or biophysical sciences will require previous professional experience of at least two years in related fields.
- Applicants with a degree in non-biophysical sciences or engineering in natural science fields but with traceable work experience of at least four years may be considered.
- Bachelor of Arts with significant content in natural resources management, Geography or related fields may be considered.
- MSc degree holders in related fields are eligible and can apply for exemption from certain course/s.
- Candidates for whom English language has not been their study language at undergraduate level must prove their English proficiency.