

DIPLOMA IN IRRIGATION TECHNOLOGY (2½ YEARS)



NRC's Mandate

The mandate of the college is to contribute to government efforts to realize sustainable economic and social development by enhancing the integration of agricultural, environmental and natural resources management in development programmes leading to poverty reduction and achievement of household food security.

Mission

Providing practical client-oriented quality training, consultancy and research services in agriculture, environment and natural resources management to achieve food security and reduce poverty for sustainable social and economic development.

Objectives of NRC

- To provide holistic, developmental and entrepreneurial training programmes aimed at upgrading the skills, knowledge and attitudes of

professionals and front-line development workers;

- To provide solutions to clients problems and enhance academic excellence in training through generation of knowledge and information;
- To promote the dissemination and adoption of appropriate technologies in integrated environmental and natural resources management;
- To provide forums and opportunities for networking between the College staff and stakeholders on topical issues of mutual concern.

Course Themes and Modules

(a) *Basic Studies*

- Biology
- Language & Communication Skills
- Physics
- Chemistry
- Mathematics
- Computer Applications
- HIV AIDS, Gender & Development
- Statistics

(b) *Irrigation Design and Management*

- Irrigation and Drainage Systems
- Irrigation System Design & Layout
- Construction Technology/Drawing
- Fluid Mechanics
- Principles of Irrigation
- Irrigation Water Management
- Surveying
- Contract Law & Quantity Surveying
- Engineering Economics

- Irrigation Equip. & Machinery
- Irrigation Scheme Management
- Irrigation operation & Maintenance
- Hydrogeology

(c) *Extension & Rural Sociology*

- Community Nutrition
- Group Development & Mgmt
- HIV/AIDS, Gender & Agriculture
- Participatory Tools & Techniques
- Working with Rural Communities

(d) *Farm Management*

- Agricultural Estimates
 - Field Crops Production
 - Horticulture
 - Research Methods Monitoring & Evaluation
 - Agricultural Marketing
 - Farm Business Management
 - Farm mechanization
 - Management of Associations Cooperatives
- #### (e) *Environmental Management*
- Community Based Environment Mgmt
 - Soil and Water Conservation & Management

Farm Practical & Field Attachment

Entry Qualifications

Malawi School Certificate of Education, GCE'O' level or equivalent with four credits English, Mathematics, Physical Science and Biology or Home Economics, Agriculture, Geography, General Science

WHY TRAIN AT NRC?

- Our training enables immediate application of knowledge and skills, therefore will make a difference in your life and that of the people you serve
- We don't transfer knowledge; we blend what we have experienced in life with the relevant theories, and share it with you
- Our trainers are qualified and experienced practitioners who have empathy for the rural poor
- NRC is probably the most beautiful college campus in Malawi, combining beautiful natural environment with excellent landscaping
- We have abundant academic facilities and superb board and lodging
- NRC is close to the city, yet far enough to take you away from the noise and hassles of town
- Each module you attend and pass a formal exam can earn you credits towards a diploma qualification. Formal exams are not obligatory except if you require an accredited certificate/diploma

We believe that once at NRC, you will always want to come back one more time!

We are a young and fast growing institution with ambition to reach greater heights. Therefore tell us where we have failed to satisfy your needs. Our ears are wide open to listen!

Course Fees

K134,000.00 per semester (this includes tuition, full board and lodging, but does not include incidental allowances, medical cover, and transport). K69,000 per semester (tuition only). The College has 5 semesters.

For further details please see below:

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Building Capacity for Sustainable Development



Natural Resources College Campus, Lilongwe

Diploma in Irrigation Technology

**VENUE: NATURAL RESOURCES COLLEGE,
LILONGWE**