

RANGELAND AND WILDLIFE RESOURCES MANAGEMENT

UNIT CODE: ENV/CU/MGT/CR/05/6/A

Relationship to Occupational Standards

This unit addresses the unit of competency: Manage rangeland and wildlife resources

Duration of Unit: 110 hours

Unit Description

This unit describes the competencies required to manage rangeland and wildlife resources. It involves managing rangelands resources, wildlife, human-wildlife conflicts and developing an integrated wildlife and rangeland management plan.

Summary of Learning Outcomes

1. Manage rangeland resources
2. Manage wildlife
3. Manage human-wildlife conflicts
4. Develop an integrated wildlife and rangeland management plan

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Manage rangeland resources	<ul style="list-style-type: none">• Meaning of Rangelands• Characteristics of rangelands• Values and threats of rangelands• Rangeland resources• Land use patterns• Principles of sustainable rangeland management• Threats and challenges of rangeland management• Rangeland conditions and trends• Strategies of rangeland conservation• Measures for rangeland restoration	<ul style="list-style-type: none">• Observation• Oral questioning• Written tests• Projects• Practical assignments

2. Manage wildlife	<ul style="list-style-type: none"> • Wildlife diversity • Wildlife ecology and management • Importance and values of wildlife • Methods of studying wildlife • Types of wildlife management • Rationale for wildlife resource management • Sustainable wildlife utilization and management • Captive wildlife management techniques • Community wildlife management • Conservation status of wildlife in Kenya • Strategies of wildlife conservation in Kenya • Threats and challenges facing wildlife conservation in rangelands 	<ul style="list-style-type: none"> • Observation • Oral questioning • Written tests • Projects • Practical assignments
3. Manage human-wildlife conflicts	<ul style="list-style-type: none"> • Human interactions with wildlife • Types of human-wildlife conflicts • Causes of human-wildlife conflicts • Ways of managing human-wildlife conflicts • Wildlife policies and regulations (Wildlife Act, 2016) 	<ul style="list-style-type: none"> • Observation • Oral questioning • Written tests • Projects • Practical assignments
4. Develop an integrated wildlife and rangeland management plan	<ul style="list-style-type: none"> • Integrated wildlife management plan <ul style="list-style-type: none"> • Meaning • Importance • Content • Grazing factors (carrying capacity) • Strategies for Integrated Wildlife-livestock Management in rangelands • Advantages and disadvantages of integrated wildlife livestock management 	<ul style="list-style-type: none"> • Observation • Oral questioning • Written tests • Projects • Practical assignments

Suggested Methods of Instruction

- Lectures
- Group discussions
- Demonstration by trainer
- Exercises by trainee

Recommended Resources

- Monitoring Equipment
- Tents
- Farm tools
- Maps
- Survey tools
- Data
- Computer
- Stationery
- Internet

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