

List of Short Courses offered by the Institute

No.	Course	Brief description	Target group	Period (days)	Cost per participant (KES)
1.	Protected Area Planning and Management	Protected areas are crucial for conserving biodiversity and supporting local communities, especially in regions like Africa, where they also contribute to economic development through tourism and recreation. In Kenya, about 12% of the land is dedicated to wildlife conservation within protected areas, which serve as vital habitats for wildlife amid increasing human population growth and development. Effective management of these areas requires conservation managers to balance the needs of both wildlife and human populations, ensuring sustainability in the face of various challenges. This short course provides a comprehensive understanding of protected area management, focusing on the sustainability of biodiversity and ecosystems. It includes key topics such as protected area planning, infrastructure maintenance, sustainable tourism, community engagement, and leadership skills for managers. By completing the course, participants will gain the competencies needed to design, implement, and manage protected areas effectively, ultimately contributing to better conservation outcomes and the long-term viability of these critical areas.	Middle-level managers such as park managers, conservation managers and professionals, wildlife officers, researchers, environmental planners, wardens and rangers involved in the management of protected areas.	8	72,000.00
2.	Ecological Monitoring and	In an era of rapid environmental change, the need for effective ecological monitoring and research has never been more critical.	Wildlife and conservation	10	90,000.00

	Research Methods	Protected areas and natural ecosystems face increasing pressures from human activities, climate change, and habitat degradation. To address these challenges, conservation professionals must be equipped with the skills to collect, analyze, and interpret ecological data, enabling informed decision-making and adaptive management. This short course is designed to equip conservation professionals, researchers, and wildlife managers with the essential skills and knowledge to conduct effective ecological monitoring and research. Participants will learn how to design, implement, and analyze ecological studies to inform conservation strategies, monitor biodiversity, and assess the health of ecosystems. The course emphasizes practical, field-based techniques and data-driven decision-making to address real-world conservation challenges.	managers, wildlife conservation and management students, policy makers, community leaders, research scientist, ecologists, environmental consultants, Public Benefit Organizations and anyone interested in ecological monitoring.		
3.	Human-Wildlife Interactions and Climate Change Adaptation	Competent conservation managers are essential for addressing these complex challenges. They must possess a deep understanding of ecological processes, socio-economic dynamics, and climate change impacts to design and implement effective management strategies. Capacity building in this field is therefore crucial, equipping managers with the knowledge, skills, and tools needed to make informed decisions and adapt to evolving conditions. This course explores the science and drivers of human-wildlife interactions in the context of climate change, impacts of climate change on wildlife, ecosystems and human livelihoods, dynamics between humans and wildlife, the impacts of climate change, key species involved in human-wildlife conflict and assess potential threats and adaptive management strategies for mitigating conflicts and fostering coexistence.	Wildlife conservation and management conservation professionals, students, policymakers, community leaders, local communities and anyone interested in sustainable wildlife management	14	90,000.00

			and climate change adaptation.		
4.	Marine Wildlife Conservation and Ecosystem Restoration	Marine wildlife conservation is critical in safeguarding marine species and their habitats, ensuring the survival of endangered species, and maintaining the balance of marine ecosystems. This involves creating protected areas, enforcing sustainable fishing practices, and reducing pollution. Ecosystem restoration, on the other hand, aims to repair damaged marine environments, such as coral reefs, mangroves, and seagrass beds, which are essential for the survival of countless marine species and the overall health of the ocean. This course offers an in-depth exploration of marine wildlife conservation and ecosystem restoration. Participants will gain essential knowledge and hands-on experience in protecting, monitoring, and rehabilitating marine ecosystems, with a focus on key species and habitats. By understanding marine biodiversity, ecological processes, and conservation challenges, participants will be equipped to design and implement evidence-based strategies for the sustainable management and restoration of marine ecosystems. The course is designed for conservation professionals, students, and researchers dedicated to preserving the health of marine environments and restoring degraded ecosystems.	Wildlife and conservation managers, wildlife conservation and management students, policy makers, community leaders, research scientists, marine ecologists, blue economy officers, Beach Management Units, coast guards, wardens, rangers	8	80,635.00
5.	Survival and Bush Craft Techniques in the Wilderness	Many professions, particularly in wildlife management, environmental management, and outdoor leadership, require individuals to operate in remote wilderness areas with limited resources and unpredictable emergencies. This course is designed to provide real-world, hands-on training in survival and bushcraft	Conservationists, research scientists, professionals in the tourism and	14	90,000.00

		techniques, conducted entirely in a wilderness setting. Participants in this course will immerse themselves in nature, gaining practical experience and confidence to handle unexpected situations in the wild. From building shelters and finding water to navigating and foraging, this course emphasizes learning by doing in a natural environment, fostering resilience, adaptability, and a deep respect for the outdoors.	wildlife sector, Outdoor enthusiasts, hikers, campers, adventurers and anyone interested in learning essential wilderness survival skills.		
6.	Customer service techniques	As customer expectations and technological advancements evolve, there is a need for businesses to adapt and equip their teams with the skills to provide exceptional service. The customer Service Excellence course is designed to equip participants with the necessary skills, knowledge, and attitudes to deliver excellent customer service. This course will focus on the key principles of customer service, effective communication, problem-solving techniques, and building positive relationships with customers to ensure customer satisfaction and loyalty.	Customer support teams, customer service representatives, front office personnel, guest relations managers, marketing personnel, administrators and business owners, receptionists, bar attendants, human resource personnel, food and beverage service personnel, tour guides	5	26,223.00
7.	Professional field tour guide course	This professional field guide course is an educational program designed to equip individuals with the necessary knowledge and skills to become skilled nature guides, primarily focusing on	Tour guides, tour operators, conservationists	10	45,170.00

		identifying wildlife species, understanding their behaviors and ecosystems, interpreting natural phenomena, and leading safe and informative tours in various outdoor environments. This typically involves extensive practical training in the field alongside theoretical classroom learning on topics like animal behavior, plant identification, ecology, bush safety, and guiding techniques. Once qualified, the guide should be able to identify and interpret biodiversity elements of the natural environment, conduct game drives for guests in a destination.	and Rangers among others		
8.	Food and beverage service supervision	The course will equip the participants with appropriate skills, knowledge and attitude to supervise the food and beverage service operations, ensuring quality service delivery, staff management and operational efficiency.	Food and Beverage supervisors Restaurant and Bar employees Food and Beverage Freelance /Independent Consultants Entrepreneurs and Business owners in the food service industry Event/Catering Coordinators	5	30,000.00
9.	Tour planning, costing, and marketing techniques	The satisfaction of visitors is achieved through the provision of memorable travel experiences that align with the tastes and preferences of customers and is a fundamental component in enhancing visitor numbers and generating revenue within destinations and tour businesses. The participants will learn how to	Tour planning consultants, Travel Agents, Tour Operators, students	14	44,950.00

		design profitable and attractive tour packages, manage costs, and promote them to potential clients using modern marketing strategies to meet the needs and wants of the customers. This course is therefore structured to equip participants with the requisite skills, knowledge, and attitudes for the effective planning, costing, pricing, and promotion of successful tour packages.	pursuing Tourism and travel-related courses, and entrepreneurs.		
10.	Design, construction and operationalization of fish production systems	As the demand for sustainable protein sources grows, fish farming is becoming increasingly important. Optimizing fish production infrastructure is critical to meeting food security goals while minimizing environmental impacts. This course will equip participants with the knowledge and practical skills to design, construct, and manage efficient fish production systems. The course will cover design and construction of ponds, recirculating aquaculture systems (RAS), cages, and tanks with a focus on achieving sustainability, cost-effectiveness and scalability.	Fish farmers, fisheries extension workers, fish farm managers, project officers working in aquaculture programs, students studying fisheries and aquaculture, trainers, aquaculture entrepreneurs etc.	10	45,595.00
11.	Fish post-harvest technologies	Aquaculture is vital sector in global food security contributing significantly to protein production, employment and economic growth. As the demand for fish continues to rise, there is increasing need for sustainable fish farming practices. It is essential to implement effective post-harvest practices to reduce losses and ensure the safety and quality of fish products to humans and animals. Fish Post-Harvest Technology course aims to address the critical issues surrounding fish handling, processing, and preservation. This course will cover various aspects of post-harvest technology including the types and causes of fish losses, preservation techniques,	Fish farmers, fisheries extension officers, fish processors, fish vendors, fishermen, aquaculture entrepreneurs, fish inspectors, policy makers,	10	30,910.00

		best practices for processing, packaging and value addition.	industry professionals, students etc.		
12.	Fish nutrition and feed management	As demand for fish continues to rise, there is an increasing need for sustainable fish farming practices. Fish nutrition and feed management are crucial aspects of aquaculture that directly impact fish growth, health, and the efficiency of production systems. With the increasing demand for fish as a source of protein, optimizing nutrition through effective feed management becomes essential for sustainability in the aquaculture industry. Feed expenses constitute up to 40–50% of total production costs, making it essential for farmers to adopt cost-effective and sustainable feeding practices. This course will provide an in-depth understanding of the nutritional needs of fish, types of feed, feeding strategies, and how to manage feeding practices to improve the farm productivity, fish health and overall farm profitability.	Fish farmers and Aquaculture practitioners Aquaculture students and researchers Fisheries officers & fisheries extension workers Feed manufacturers & suppliers	5	25,000.00
13.	Fish hatchery management techniques	Aquaculture is a vital sector in global food security, contributing significantly to protein production, employment and economic growth. As demand for fish continues to rise, there is an increasing need for sustainable fish farming practices, particularly in hatchery management. A well-managed fish hatchery ensures the production of high-quality fish seed, which is essential for successful aquaculture operations. This course covers key aspects such as broodstock selection, induced breeding, egg incubation, larval rearing, water quality management, disease control, and economic sustainability of hatchery operations. Participants will be capable of implementing best practices in hatchery operations, improving fish seed quality, and enhancing overall aquaculture productivity.	Fish farmers and aquaculture practitioners Hatchery technicians Fisheries officers & fisheries extension officers Feed manufacturers & suppliers Students in aquaculture and	5	21,000.000

			fisheries		
14.	Wetlands management, climate change and sustainable livelihoods	Wetlands are among the most threatened ecosystems yet they are essential components of water resource management. Wetlands are a keystone ecosystem for a large number of terrestrial and aquatic species as well as being significant components of larger hydrological and biogeochemical systems and support for community livelihoods. This course provides a deeper understanding of wetland ecology, regulatory framework, and community engagement strategies that enables the learner to manage wetland resources for sustainable utilization and community livelihoods. This will be achieved by providing the required knowledge, skills and attitudes for wetlands conservation and management	Environment officers, conservationists, researchers, project officers in natural resource management, ecologists, policy makers, environmental regulators, community development workers, PBOs, advocacy groups, students.	10	45,000.00
15.	Rangeland health, monitoring and restoration	Rangelands are vast, natural landscapes that support various ecosystems, biodiversity, and livestock production. However, they face increasing threats from climate change, overgrazing, and improper land use. Rangeland health is the degree to which the integrity of the soil, vegetation, water and air as well as the ecological processes of the rangeland ecosystem are balanced and sustained in order to perform key environmental functions such as net primary production, maintenance of soil stability, capture and beneficial release of water, nutrient and energy cycling, functional diversity of plant species and provide forage for livestock and wildlife. Rangeland health assessment is a process that evaluates the health of a rangeland ecosystem which uses a variety of indicators to determine if the rangeland is healthy, at risk, or unhealthy. This helps land users understand the condition of their land and take action before it becomes irreversibly degraded. This course equips participants with the competencies required to	Field and Project managers engaged in Rangelands conservation and management Conservancies and ranch officers Scientists and researchers working on projects related to range management Policy makers	5	45,000.00

		evaluate rangeland condition, address degradation and develop strategies for improving rangeland health and productivity for sustainable management of rangelands	Students and researchers County governments officers Women groups Youth groups PBOs (NGOs).		
16.	Agroforestry Techniques For Climate Change and Sustainable Livelihoods	Agroforestry techniques have gained significant attention as an effective solution for mitigating the effects of climate change while enhancing the livelihoods of rural communities. By integrating trees with agricultural crops and livestock, agroforestry systems contribute to improved soil health, diversifying sources of livelihoods, carbon sequestration, avoiding emissions through reduced fossil fuel and energy usage on farms thus mitigating and adapting to climate change and biodiversity conservation. This course is designed to equip participants with the knowledge and skills required to implement agroforestry practices that contribute to climate change mitigation, environmental sustainability, and resilient livelihoods. This course incorporates aspects such as creating nutrient-rich compost, and designing productive farm layouts that foster ecological balance and resilience. By the end of the course, participants will have the knowledge and skills to implement regenerative agroforestry practices and design systems that enhance agricultural yields, protect natural resources, and empower communities to adapt to climate change.	Extension officers, Forest officers Field and Project managers in Agroforestry and sustainable landscape management Farmers and landowners Scientists and researchers working on projects related to agroforestry Policy makers in agriculture and forestry Students and professionals in sustainable agriculture County governments officers, Ministry of Forestry and	14	45,000.00

			Environment staff, Women groups, Youth groups, Youths, PBOs (NGOs),		
17.	Ecosystem And Community-Based Climate Change Mitigation, Adaptation & Resilience	It is evident that the climate is changing rapidly and its impacts affect social and ecological systems across regions, groups and sectors. Many of these impacts have cascading negative effects on social, economic and health outcomes of communities especially in food and livelihood security. In order to respond to climate change, more vigorous actions are required to mitigate emissions of greenhouse gases (GHGs) and to adapt to unavoidable consequences that are increasing vulnerability around the world. This also requires development of local strategies that support poverty reduction, build community resilience while supporting and preserving biodiversity. This course provides participants with the knowledge and understanding necessary to comprehend complex issues of climate change, its impacts, and potential solutions and empower them to take actions, to adapt and mitigate its effects.	Extension officers, Forest officers Field and Project managers Farmers Scientists and researchers Policy makers climate change Students and professionals Forestry and Environment staff, Women groups, Youth groups PBOs (NGOs).	10	45,000.00