Semester:	07		
Course Code:	ENCM 41813		
Course Name:	Wildlife and Protected area Management		
Credit Value:	3		
Status:	for BSc Honours in ENCM degree		
Pre-requisite:	ZOOL 32752		
Co-requisite:	-		
Hourly Breakdown:	Theory	Practical	Independent Learning
	40	15	95

Intended Learning Outcomes:

After completion of this course unit, the student will be able to;

1. explain the principles and aims of protected areas, reserve design and wildlife management,
2. explain the criteria and principles of protected areas, reserve design and importance wildlife management,
3. evaluate habitats and recommend strategies for habitat management of selected wildlife,
4. critically analyze the effectiveness of designation and designing of reserves and protected areas on the basis of distinctiveness, endangerment and utility,
5. propose wildlife management strategies using population data and field experiments, and
6. apply specific techniques in wildlife management.

Course Content:

Wildlife management: Introduction to biodiversity conservation, principles, aims and historical aspect of wildlife management. Habitat relations of animals. Behaviour relevance to wildlife management. Population analysis, life tables, patterns of population growth related to wildlife management. Field surveying methods and wildlife surveys techniques: animal capture, marking and release, census, aging and sexing experiments, scat analysis, genetic experiments. Common wildlife diseases and their management. Human-wildlife conflicts: Global and Sri Lankan scenario, management strategies.

Protected area management (PA): Introduction to PAs, roles and functions, designing PA network, Setting priorities, tools in PRA/RRA, development of PA management plan, zoning methodology and developing zoning plans. Issues of reserve design, linking new PAs, Gap analysis, landscape ecology and park design. Identification of threats, managing habitats, monitoring tools. Managing people and regulation of activities in PAs.

Policy aspects of wildlife management and protected area management in Sri Lanka. International conventions related to Biodiversity and wildlife conservation and management.

Teaching /Learning Methods:

A combination of lectures, field practical sessions, computer based learning, self-studies, field based assignments and group discussions.

Assessment Strategy:

Continuous assessment and end of semester examination. Percentage given for each sub component indicates the percent contribution to the final marks.

Continuous Assessment 40 %		Final Assessment 60 %		
Details:		Theory	Practical	Other
Tutorial	20	60	-	-
Presentation	10			
Field report	10			

Recommended Readings:

1. Bolen, E. G. & W. Robinson (2002). Wildlife Ecology and Management, 5 th edition, Benjamin Cummings, USA.
2. Silvy, N. J. (Ed.). (2020). The Wildlife Techniques Manual: Volume 1: Research. Volume 2: Management. JHU Press.
3. Sinclair, A. R. E., J. M. Fryxell & G. Caughley (2005). Wildlife Ecology, Conservation and Management, 2 nd Edition, Wiley-Blackwell.
4. Primack, R. B. (2014). Essentials of conservation biology, 6 th edition. Sinauer Associates, Inc. Publishers Sunderland, Massachusetts U.S.A.
5. Selected articles from the reputed journals related to wildlife and protected area management.
6. International Union for Conservation of Nature. (www.iucn.org) protected area categories and RED listing documents.
7. Policy and legal documents related to wildlife and protected area management of Sri Lanka.