

<b>Semester:</b>	06		
<b>Course Code:</b>	ZOOL 32762		
<b>Course Name:</b>	Wildlife Management		
<b>Credit Value:</b>	02		
<b>Status:</b>	Compulsory for the BSc degree. Compulsory for the BSc Honours in Zoology degree.		
<b>Pre-requisite:</b>	ZOOL 12703		
<b>Co-requisites:</b>	None		
<b>Hourly Breakdown:</b>	Theory	Practical	Independent Learning
	25	15	60
<b>Intended Learning Outcomes:</b>			
After completion of this course unit, the student will be able to:			
<ol style="list-style-type: none"> <li>1. explain the aims and principles of wildlife management,</li> <li>2. evaluate habitats and recommend strategies for habitat management of selected wildlife,</li> <li>3. discuss the effectiveness of designation and designing of reserves and protected areas on the basis of distinctiveness, endangerment and utility,</li> <li>4. propose wildlife management strategies using population data and field experiments, and,</li> <li>5. apply appropriate techniques and tools in the monitoring and management of wildlife.</li> </ol>			
<b>Course Content:</b>			
Introduction to wildlife management, Ethics in wildlife management, Population analysis and life tables related to wildlife management, Wildlife surveying techniques: animal capture, marking and release, census, aging and sexing experiments, scat analysis, genetic experiments, Common wildlife diseases and their management, Threats to wildlife management, Human-wildlife conflict and management strategies, Roles and functions of protected areas (PAs): Establishment and setting priorities of PAs, tools in PRA/RRA, development of PA management plan, zoning methodology and developing zoning plans, designing networks of PAs, identification of threats, managing habitats, monitoring tools, managing wildlife, people and regulation of activities in PAs, Wildlife control and harvesting, Legal and institutional arrangements of wildlife management in Sri Lanka, Biopiracy, International conventions related to wildlife management, Local and international trade of wildlife and wildlife products and their management.			
<b>Teaching /Learning Methods:</b>			
A combination of lectures, field practical sessions, field studies, computer based learning, self-studies, field based assignments and small group discussions.			
<b>Assessment Strategy:</b>			
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 60 %	Practical - Other -
Tutorials	20 %		
Assignment	10 %		
Field report	10 %		

**Recommended Readings:**

1. Bolen, E. G. & W. Robinson (2002). Wildlife Ecology and Management, 5<sup>th</sup> edition, Benjamin Cummings, USA.
2. Silvy, N. J. (Ed.) (2020). The Wildlife Techniques Manual: Volume 1: Research. Volume 2: Management. JHU Press.
3. Cowton, M. (2015). Wildlife Ecology, Conservation and Management.
4. Krausman, P. R., J. W. Cain III, & J. W. Cain (Eds.) (2013). Wildlife Management and Conservation: contemporary principles and practices. JHU Press.
5. Fryxell, J. M., A. R. Sinclair & G. Caughley (2014). Wildlife Ecology, Conservation, and Management. John Wiley & Sons.
6. Selected articles from the reputed journals related to wildlife management.
7. International Union for Conservation of Nature. ([www.iucn.org](http://www.iucn.org)) protected area categories and RED listing documents.