

<b>Semester</b>	2		
<b>Course code</b>	<b>ZOOL 12531</b>		
<b>Course Name:</b>	<b>Animal Diversity and Sri Lankan Fauna Laboratory</b>		
<b>Credit Value:</b>	1		
<b>Core/Optional</b>	Core		
<b>Pre requisites</b>	G.C.E. (A/L) Biology		
<b>Co-requisites</b>	<b>ZOOL 12523</b>		
<b>Hourly Breakdown</b>	Theory	Practical	Independent Learning
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<b>Course Aim/Intended Learning Outcomes:</b>			
After completion of the course unit, the student will be able to;			
<ul style="list-style-type: none"> <li>➤ use taxonomic keys to identify animals to the lowest taxonomic group possible,</li> <li>➤ construct dichotomous keys to identify animals to the lowest taxonomic group possible,</li> <li>➤ identify animals to the lowest possible taxon examining morphological characteristics, and</li> <li>➤ appreciate the diversity of Sri Lankan fauna.</li> </ul>			
<b>Course Content:</b>			
Examination of the prominent morphological features of representative organisms belonging to following taxa; Porifera , Cnidaria, Ctenophora, Platyhelminthes, Nematoda, Rotifera, Annelida, Onychophora, Arthropoda, Mollusca, Echinodermata, Lophophorate animals, Hemichordata, Urochordata, Cephalochordata, Chordata including fish, amphibians, reptiles, birds and mammals.			
Use of taxonomic keys for animal identification, Construction of dichotomous keys to identify selected groups of animals giving special reference to Sri Lankan fauna.			
<b>Teaching /Learning Methods:</b> A combination of lectures, self-studies, assignments, tutorial and small group discussions.			
<b>Assessment Strategy:</b> Continuous assessment and end of course examination.			
Continuous Assessment 30%		Final Assessment 70%	
Details: Lab report 15% Field report and presentation 15%		Theory (%) NA	Practical (%) 70% Other (%) (specify) NA
<b>Recommended reading:</b>			
<ol style="list-style-type: none"> <li>1. De Silva, A. (1990). A Colour Guide to the Snakes of Sri Lanka. Portishead Avon R. and A. Publication Limited.</li> <li>2. De Silva, P. H. D. H. (1980). Snakes of Sri Lanka. Department of Government Printing, Colombo.</li> <li>3. Dutta, S.K. &amp; K. Mamamendra-Arachichi (1996). The Amphibian Fauna of Sri Lanka. Wild life Heritage Trust of Sri Lanka, Colombo.</li> <li>4. Henry, G. M. (1978). A Guide to the birds of Ceylon. K.V.G. De Silva &amp; Sons, Kandy.</li> <li>5. Laboratory Manual for ZOOL 12531: Animal Diversity and Sri Lankan Fauna Laboratory, Department of Zoology, University of Kelaniya.</li> <li>6. Pethiyagoda, R. (1991). Freshwater Fishes of Sri Lanka Wildlife Heritage Trust, Colombo.</li> <li>7. Phillips, W. W. A. (1981). The Manual of Mammals of Sri Lanka. Volumes I-IV. Wildlife and Nature Protection Society of Sri Lanka, Colombo. Raven, P. H. &amp; G. B. Johnson (2010). Biology. 8th Edition. Tata McGraw-Hill Edition.</li> <li>8. Reece, J. B., L. A. Urry, M. L. Cain, S. A. Wasserman, P. V. Minorsky &amp; R. B. Jackson (2011). Biology – Campbell. Global Edition. 9<sup>th</sup> Edition. Pearson Education Inc.</li> </ol>			