

<b>Semester:</b>	02		
<b>Course Code:</b>	ZOOOL 12703		
<b>Course Name:</b>	Animal Diversity		
<b>Credit Value:</b>	03		
<b>Status:</b>	Compulsory		
<b>Pre-requisite:</b>	BIOL 11552		
<b>Co-requisite:</b>	ZOOOL 12711		
<b>Hourly Breakdown:</b>	Theory	Practical	Independent Learning
	45	-	105
<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 basic principles of animal taxonomy</li> <li>2. explain the architectural patterns and evolutionary trends in Kingdom Animalia,</li> <li>3. describe the major characteristic features and diversity of animal taxa, and</li> <li>4. discuss the adaptive radiation of selected animal groups.</li> </ol>			
<b>Content:</b>			
Introduction to animal Kingdom and origin of primitive animal groups; Architectural patterns. taxonomy and phylogeny of animals. Diversity of following invertebrate phyla giving emphasis to evolutionary trends and adaptive radiation: Porifera, Cnidaria, Ctenophora, Platyhelminthes, Nematoda, Rotifera, Annelida, Onychophora, Tardigrada, Arthropoda, Mollusca, Phoronida, Brachiopoda, Ectoprocta/Bryozoa and Echinodermata. Non-vertebrate chordate phylum Hemichordata, and subphyla, Urochordata and Cephalochordata. Diversity, evolutionary trends and adaptive radiation of subphylum Vertebrata; most recent classification of fishes, amphibians, reptiles, birds and mammals.			
<b>Teaching /Learning Methods:</b>			
A combination of lectures, computer-assisted learning, quizzes, assignments and group presentations.			
<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 30 %		Final Assessment 70 %	
<b>Details:</b> Quizzes            10 % Assignments        20 %		Theory 70 %	Practical -
			Other -
<b>Recommended Readings:</b>			
<ol style="list-style-type: none"> <li>1. Hickman, C., S. Keen, D. Eisenhour, A. Larson &amp; H. I'Anson (2020). Integrated Principles of Zoology, 18<sup>th</sup> Edition, Mc Graw Hill Education (UK).</li> <li>2. Hickman Jr., C. P., L. S. Roberts, S. L. Keen, A. Larson, &amp; D. J. Eisonhour (2018). Animal Diversity, 8<sup>th</sup> Edition, Mc Graw Hill Education (UK).</li> </ol>			