



## UNIVERSITI TEKNOLOGI MARA

### BDY638: MAMMALOGY

<b>Course Name (English)</b>	MAMMALOGY APPROVED
<b>Course Code</b>	BDY638
<b>MQF Credit</b>	3
<b>Course Description</b>	This course provides opportunity for students to understand the many aspects of mammalian biology. Students will also be provided with detailed understanding of mammalian anatomy, diversity and natural history, as well as some of the techniques that mammalogists use to acquire such knowledge. Teaching methods include case studies, lectures, and laboratory.
<b>Transferable Skills</b>	Skills and how they are developed and assessed, Project and practical experience and Internship  On completion of the course the student will be able to: 1. Define the characteristics of class Mammalia. 2. Classify the mammals to the ordinal level. 3. Apply and comprehend the origin, evolution, zoogeography and adaptive radiation of mammalian taxa. 4. Communicate effectively with others to solve some given situations and problems.
<b>Teaching Methodologies</b>	Lectures, Lab Work, Presentation
<b>CLO</b>	CLO1 Outline the defining characteristics of the class Mammalia CLO2 Explain the classification of mammals to the ordinal level CLO3 Comprehend the nature of mammals, including the origin, evolution, zoogeography, and adaptive radiation of mammalian taxa CLO4 Discuss the role that mammals play in local and global ecology
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. 1. Introduction About Mammal</b> 1.1) N/A	
<b>2. 3. Characteristic:Mammalian Characteristics</b> 2.1) N/A	
<b>3. 2. Characteristic:Origin and Evolution of Mammals</b> 3.1) N/A	
<b>4. 4. Characteristic:Mammalian Classification</b> 4.1) N/A	
<b>5. 5. Characteristic:Monotreme, Marsupial and Eutherian Mammals</b> 5.1) N/A	
<b>6. 6. Diversity and classification</b> 6.1) Proboscidea, Dermoptera and Macroscelidea	
<b>7. 7. Diversity and classification</b> 7.1) Xenarthra and Pholidota	
<b>8. 8. Diversity and classification</b> 8.1) Rodentia and Lagomorpha	
<b>9. 9. Diversity and classification</b> 9.1) Primate, Insectivora, Chiroptera, Carnivora, Perissodactyla	

<b>10. 10. Diversity and classification</b> 10.1) Artiodactyla, Cetacea, Afrotheria and Sirenia
<b>11. 11. Sexual Selection, Parental Care, and Mating Systems</b> 11.1) N/A
<b>12. 12. Dispersal, Habitat Selection, and Migration</b> 12.1) N/A
<b>13. 13. Parasites and Diseases</b> 13.1) N/A
<b>14. 14. Conservation</b> 14.1) N/A

Assessment Breakdown	%
Continuous Assessment	50.00%
Final Assessment	50.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignment 1	5%	CLO3
	Assignment	Assignment 2	5%	CLO3
	Lab Exercise	There are six laboratory sessions	10%	CLO4
	Presentation	Presentation 1	5%	CLO3
	Presentation	Presentation 2	5%	CLO3
	Test	Test 1	10%	CLO1
	Test	Test 2	10%	CLO2

Reading List	<p><b>Reference Book Resources</b></p> <ul style="list-style-type: none"> <li>• Feldhamer, G.A. 2007, <i>Mammalogy: Adaptation, diversity, and ecology</i>, 3 Ed., The John Hopkins University Press</li> <li>• Wilson, D. E. and D. M. Reeder (eds.) 2005, <i>Mammal Species of the World. A Taxonomic and Geographic Reference</i>, 3 Ed., 2, Johns Hopkins University Press</li> <li>• Martin, R. E., Pine, R., and DeBlase, A. F. 2000, <i>A Manual of Mammalogy</i>, 3 Ed.</li> <li>• Lawlor, T.E. 1979, <i>Handbook to the orders and families of living mammals</i>, Mad River Press, Eureka, CA</li> <li>• Vaughan, T.A et al. 1999, <i>Mammalogy</i>, Brooks/Cole Press</li> </ul>
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources