



FACULTY OF SCIENCE

DEPARTMENT OF ZOOLOGY

MODULE: **ZOO0097**
(Mammal Diversity)

CAMPUS: **APK**

EXAM **Exam – June 2016**

DATE: 7 June 2016

ASSESSOR:

MODERATOR:

DURATION: 2 Hours

TIME: 12:30

Dr F Durand

Dr R. Greenfield

Total Marks: 100

NUMBER OF PAGES: 2 Pages (Including this page)

INSTRUCTIONS: Answer all the questions.

1. Discuss the evolution of mammalian characteristics from the synapsid condition.

(20 marks)

2. Discuss the origin, distribution, diversification and special adaptations of the Primata.

(30 marks)

3. Describe and compare the adaptations for marine life as seen in different mammalian taxa.

(20 marks)

4. South Africa has an exceptional diversity of mammals. Discuss this statement critically by comparing the mammal diversity of South America and South Africa.

(30 marks)