



Statement of participation

Muhammad Farid Wajdi Makkulau

has completed the free course including any mandatory tests for:

Introducing mammals

This free 5-hour course provided an introduction to the wide variety of mammals around the world.

Issue date: 16 September 2025

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/nature-environment/introducing-mammals/content-section-0>

COURSE CODE: **s182_12M**

Introducing mammals

<https://www.open.edu/openlearn/nature-environment/introducing-mammals/content-section-0>

Course summary

Mammals come in a bewildering variety of shapes and sizes, and yet all species have some characteristics in common. These similarities justify the inclusion of all such diverse types within the single taxonomic group (or class) called the Mammalia. This free course, Introducing mammals, offers a starting point for the study of mammals. It will establish their rich diversity, while highlighting the common features that define the group.

Learning outcomes

By completing this course, the learner should be able to:

- explain the distinctive biological features of monotremes
- distinguish contrasting modes of reproduction in monotremes, marsupials and placental mammals
- describe the cellular basis of lactation and explain the benefits of an early diet of milk
- explain the significance of mammalian metabolic rate
- explain how and why the thermogenic response differs among species.

Completed study

The learner has completed the following:

Section 1

Defining mammals

Section 2

Mammalian diversity

Section 3

The monotremes

Section 4

Reproduction in marsupials

Section 5

Milk production (lactation)

Section 6

Metabolism and body temperature

Section 7

Thermoregulation and mammalian fur

Section 8

What's special about placental mammals?

Section 9

Studying mammals: a case study – platypus burrows