



University of Pretoria Yearbook 2022

Human cell and developmental biology 324 (ANA 324)

Qualification	Undergraduate
Faculty	Faculty of Health Sciences
Module credits	18.00
NQF Level	07
Programmes	BSc (Medical Sciences)
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	ANA 214, ANA 226; Only for BSc (Medical Sciences) students.
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Anatomy
Period of presentation	Semester 2

Module content

Practical aspects of cell biology. Cell, tissue, organ, and organism culture. The biology of the culture environment. Cellular basis of morphogenesis, cleavage patterns and gastrulation. The early vertebrate development; neurulation, ecto-, meso- and endoderm derivatives. Cell destiny and embryonic axis including malformations. Development of the tetrapod limb and cell death. Cell interactions at a distance through hormones and metamorphosis.

NOTE: This module is not open to all students and may only be taken by BSc (Medical Sciences) students.

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