

HOMEOSTASIS AND REGULATION

(Course Code: NRSE2004A)



OVERVIEW

Number of modules:

4

Total credits:

40

Module duration:

8 weeks

How much time to commit:

12 to 15 hours a week

YOU WILL LEARN ABOUT:



The body's response
to endocrine processes



How the nervous
system communicates



Cellular regulation to
maintain homeostasis



The effect of
acid-base imbalances

ADMISSION REQUIREMENTS

Four-year Diploma in Nursing
(NQF level 6). OR

Completion of the first-year
modules of the Bachelor of Health
Sciences in the Field of Nursing
System Science qualification.



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COURSE MODULES

TOTAL CREDITS 40

TOTAL FEES R14 000

Endocrine System / NRSE2005O / Credits: 10

We explore the regulation and action of hormones of the endocrine system and the response of this action to physiological and pathophysiological processes in an attempt to understand, manage and maintain homeostasis. It covers a revision of the physiology of the endocrine system, common disorders of the endocrine system, assessment and diagnosis of endocrine disorders, and collaborative management of patients with endocrine disorders.

Fees: R3 500

Nervous System /NRSE2006O / Credits: 10

This module takes a look at the nervous system as a major controlling, regulatory and communicating system in the human body, as well as the body's physiological response to disease in an attempt to understand, manage and maintain homeostasis/various neurological disorders.

Fees: R3 500

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COURSE MODULES

TOTAL CREDITS 40

TOTAL FEES R14 000

Acid-base Balance /NRSE2007O / Credits: 10

An investigation of the body's control of acid-base production and the response of this control to physiological changes and disease processes, in an attempt to manage and maintain normal pH ranges.

Fees: R3 500

Cellular Regulation /NRSE2008O / Credits: 10

Develop an applied understanding of cellular regulation. Cellular regulation as a broad concept refers to all functions carried out within a cell to maintain homeostasis. The spectrum and processes of cellular regulation, the consequences of altered cellular regulation, and the application of this physiological process in healthcare will be included to ensure that students can recognise and intervene appropriately when conditions of altered cellular regulation develop. The scope of this concept focuses on the cellular growth and reproduction aspect, with normal cellular growth at one end of the spectrum, dysplasia as the following concept, and malignant neoplasia at the opposite end.

Fees: R3 500



CONTACT US

If you have any questions or would like to apply,
please phone us on **0800 233 726** or send an
email to **ENQUIRIES@ONLINE.WITS.AC.ZA**