Hanze

Course: Medical knowledge 1 credits: 10

Course code	HVMP26MKE1
Name	Medical knowledge 1
Study year	2026-2027
ECTS credits	10
Language	Dutch, with parts in English
Coordinator	S. de Valk
Modes of delivery	Lecture Tutorial
Assessments	Final exam in medical knowledge 1 - Computer, organised by STAD examinations The nervous system, the immune system and reproduction - Computer, organised by STAD examinations Vegetative organ systems 1 - Computer, organised by STAD examinations Vegetative organ systems 2 and regulation - Computer, organised by STAD examinations

Learning outcomes

Area of Expertise and Learning Outcome(s)

7. Medical Knowledge – Level 1

LOL 7.1 – MKE – N1 – VT/DT standard

The student has a command of basic medical knowledge (anatomy, physiology, pathology and pharmacology) of the circulatory, respiratory, urinary, digestive, endocrine and nervous systems, the musculoskeletal system, the skin, the immune system, the reproductive system, and the subjects of pharmacology and oncology.

Indicators
Description

7.1 Translates medical terminology and applies it (BN2030).

7.2 Identifies anatomical structures or locates them within the body and knows both the Dutch and the medical terminology (BN2030).

7.3 Explains physiological processes in the body (BN2030).

7.4 In the context of pathology, identifies the risk factors, causes, symptoms, diagnosis, treatment, possible complications and prognosis of the clinical picture, and explains which underlying physiological processes have been disrupted (BN2030).

7.5 Explains what (additional) diagnostic methods entail (BN2030).

7.6 Explains, for a selected group of medicines, how they affect physiological processes (mechanism of action) and reasons why side effects may occur as a result (BN2030).

7.7 Explains the significance of the most common laboratory values in blood and urine, or when these values are measured, and explains the significance and clinical relevance of deviations from these values (BN2030).

7.8 Explains how a fluid balance is calculated and explains the possible significance and clinical relevance of deviations in the fluid balance (BN2030).

Content

Medical Knowledge 1 covers the normal structure (anatomy) and function (physiology) of the organ systems, including clinical pictures (pathology) and medication (pharmacology). Several times per term, there is a (group) contact session with the lecturer. The main aim of these sessions is to apply medical knowledge to practical nursing situations. Students prepare for these sessions and assessments through self-study. Recordings of lectures are also available for this purpose, with the emphasis on clarifying the most important and/or most difficult aspects of the relevant topic.

Topics covered:
- Circulatory system
- Respiratory system
- Urinary system
- Digestive system
- Endocrine system
- Nervous system
- Musculoskeletal system
- Skin
- Immune system
- Reproductive system
- Pharmacology
- Oncology.

Competence Mastery Level 1 (CBN, 2022)

At the first level, the context is of medium complexity, with the focus on the systematic acquisition and application of knowledge and skills. The nature of the task is structured.

Assessment:

The assessment consists of three digital multiple-choice exams. A pass mark must be achieved in all exams. The weighted average of all marks determines the final mark for the course. The second and third exams are more extensive and also include questions on the material covered in the first and/or second exam. These exams therefore carry greater weight in the assessment.
- TEST 01 - MKE 1 DT

Evidence for the assessment

Vegetative Organ Systems 1

Individual assignment

Digital multiple-choice test.
Vegetative Organ Systems 2 and Regulation

Individual assignment

Digital multiple-choice test.
Nervous System, Immune System and Reproduction

Individual assignment

Digital multiple-choice test.

Final Test in Medical Knowledge 1

Digital multiple-choice test, with questions covering the entire syllabus of Medical Knowledge 1.

Included in programme(s)

Nursing
Nursing

School(s)

Health, Care & Vitality

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