

Course: Human Anatomy and Physiology: The Human Body under the Magnifying Glass

credits: 5

Course code	LSVX23ANATOMIE	Modes of delivery	Practical / Training
Name	Human Anatomy and Physiology: The Human Body under the Magnifying Glass		Tutorial
Study year	2026-2027	Assessments	Case study Anatomy - Other assessment
ECTS credits	5		Practical assignment Dissection and
Language	Dutch, with parts in English		Hystology - Other assessment
Coordinator	A.I.R. Spanjer		

Learning outcomes

This module has the following learning outcomes:

You will describe the structure and function of the various organ systems in mammals, dissect a rat correctly and identify the organs in order to learn about the anatomy and physiology of mammals.

You will identify the various parts of a microscope and use a microscope to study tissues using the most important microscopic techniques.

You will produce overview and detailed drawings of histological specimens of the four different types of tissue and various organs in accordance with drawing guidelines, and present these in a portfolio organised by organ system.

You will collaborate effectively and document agreements in a verifiable manner in order to produce a multimedia group project on a case study that you have developed based on the anatomy, physiology and histology of the relevant organ systems, with a view to developing social, communication and information skills.

Content

In this module, you will be introduced to the anatomy, histology and physiology of the human body. You will do this in the laboratory through various practicals on anatomy and physiology. The practicals in the laboratory room are surrounded by scheduled seminars in which one organ system is dealt with from a case study and/or assignments. Histology preparations are also examined under the microscope and drawn. You process the drawings and completed assignments in an individual portfolio. At the end of the module, you and your fellow group members present a case study in which the anatomy, physiology and histology of the relevant organ systems are visualised and explained.

Included in programme(s)

Major Medical Diagnostics
Major Biology and Medical Research
Bio-Informatics
Chemistry
Chemical Engineering

School(s)

Engineering, Life Sciences & ICT