

# PHYSIOLOGY (PHGY)

---

**PHGY 1030 Fundamentals of Medical Physiology 6 cr**

The function and regulation of the systems and major organs of the human body as they relate to clinical disorders.

**PHGY 5002 Respiratory Physiology and Pathophysiology 3 cr**

This course introduces students to the basic medical physiology of the respiratory system, with emphasis on clinically relevant lung pathophysiology, in particular how basic concepts relate to disease and its treatment, as well as how this determines research questions in the field. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.

**PHGY 5004 Cardiovascular Physiology and Pathophysiology 3 cr**

This course introduces students to basic medical physiology of the cardiovascular system, with emphasis on clinically relevant heart pathophysiology, in particular how basic concepts relate to disease and its treatment, as well as how this determines research questions in the field. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.

**PHGY 5006 Endocrine Physiology and Pathophysiology 3 cr**

This course introduces students to basic medical physiology of the endocrine system, with emphasis on clinically relevant endocrine pathophysiology, in particular how basic concepts relate to disease and its treatment, as well as how this determines research questions in the field. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.

**PHGY 5008 Neurophysiology and Pathophysiology 3 cr**

This course introduces students to basic medical physiology of the nervous system, with emphasis on clinically relevant neurological dysfunctions/disease states such as Parkinson's disease, cerebellar dysfunction, and spinal cord injury. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.

**PHGY 5010 Cell Physiology and Pathophysiology 3 cr**

This course introduces students to the basic medical physiology of the cellular system, with emphasis on clinically relevant cellular pathophysiology of various diseases. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.

**PHGY 5012 Laboratory Physiology and Pathophysiology 12 cr**

(Lab required) This course introduces students to basic laboratory research practices, providing a practical research experience in the biomedical or health-related sciences, under the supervision of an instructor(s). Research projects will be designed to include research techniques, data analysis and educational training. Registration is restricted to students in the Post-baccalaureate Diploma in Medical Physiology and Pathophysiology program.